

R852 WNL (CRI90 350mA 70D)

Luminaire Name: R852 WNL (CRI90 350mA 70D)

Report NO.: 01314523082423A

Test NO.:

Lamp: LUMINUS CLM-9-40-90-36-TC40-F5-2 350mA

Sum Lumens: 1657.61 lm

Number of Lamps: 1

Diameter: 115mm

Length: -115mm

Photometric Type: Type C

Voltage: 229.5 V

Current: 0.062 A

Power: 13.8 W

Power Factor: 0.967

Ballast Type: OSRAM IT FIT 20/220-240/500 CS I

Width: -115mm

Height: 105mm

Optical Component: 70D Reflector DC(V: 34.25V I: 0.350A P: 11.98W)

Photometric Results

Lumens: 1286.12 lm

Efficiency: 77.59%

Central Intensity: 928.35cd

Maximum Intensity: 1204.17cd

Beam Angle(10%): Left: -19.1 Right:63.6

Maximum s/h: C0_180: 0.61 C90_270: 0.61

Effective Luminous Flux: 1194.23 lm

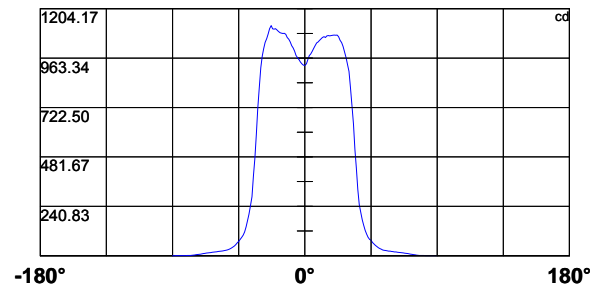
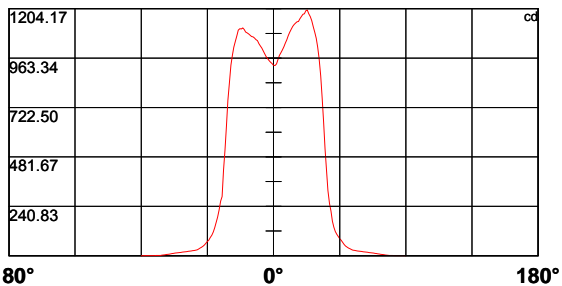
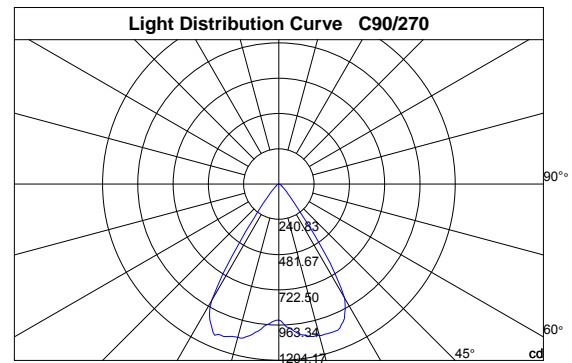
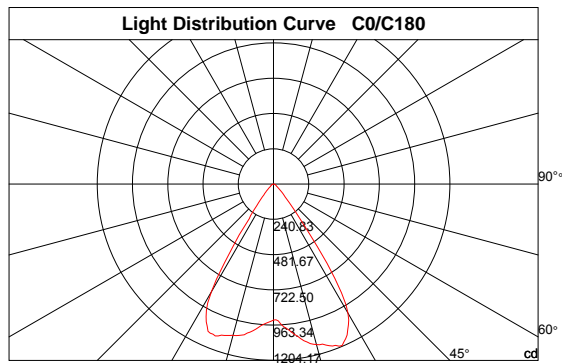
Angle of maximum intensity: C:330.0 G:22.0

Half Peak Side Angle(50%): Left: -11.4 Right:55.1

Up Flux Rate: 0.0%

Down Flux Rate: 77.59%

CIE Classification: Direct



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Intensity Data [cd]

C\γ	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	928.3	926.8	934.6	956.6	976.5	988.8	1002.5	1018.5	1037.1	1052.1
30.0	928.3	934.8	959.1	978.6	988.2	997.6	1016.8	1038.0	1051.2	1063.9
60.0	928.3	950.7	971.1	983.8	994.7	1010.5	1030.5	1045.7	1055.1	1062.8
90.0	928.3	934.7	956.1	975.9	983.4	995.7	1010.2	1025.2	1037.2	1041.9
120.0	928.3	944.2	962.3	972.3	981.8	999.1	1017.3	1022.6	1031.1	1034.9
150.0	928.3	933.4	944.7	956.4	963.2	971.5	990.7	1002.8	1013.5	1023.0
180.0	928.3	936.9	943.5	950.7	959.9	969.3	984.0	998.4	1012.0	1022.6
210.0	928.3	932.2	936.2	941.0	952.6	960.5	970.2	984.4	1002.6	1015.8
240.0	928.3	927.8	931.6	937.0	944.8	955.4	964.9	978.0	995.1	1007.3
270.0	928.3	929.0	935.1	943.8	955.8	964.8	976.2	997.3	1013.3	1023.7
300.0	928.3	926.8	931.0	943.4	957.0	969.9	982.7	997.3	1017.4	1032.5
330.0	928.3	929.1	941.5	957.9	974.7	989.1	1005.3	1029.9	1046.5	1066.7
360.0	928.3	926.8	934.6	956.6	976.5	988.8	1002.5	1018.5	1037.1	1052.1

C\γ	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	1072.4	1089.0	1103.0	1117.8	1127.0	1134.3	1140.5	1141.8	1155.5	1167.1
30.0	1072.9	1089.9	1102.1	1110.3	1113.5	1115.4	1116.2	1121.9	1132.0	1138.9
60.0	1077.7	1099.4	1112.0	1111.5	1114.7	1121.9	1121.3	1126.1	1129.5	1134.9
90.0	1049.7	1056.7	1064.5	1067.7	1064.4	1071.7	1073.3	1071.6	1073.6	1074.5
120.0	1044.4	1057.2	1061.3	1057.9	1069.8	1076.3	1078.5	1084.5	1087.1	1088.6
150.0	1030.3	1039.7	1050.7	1052.9	1058.4	1067.3	1070.4	1074.9	1079.2	1080.2
180.0	1033.6	1048.2	1054.1	1061.4	1066.6	1068.5	1074.9	1081.1	1086.1	1090.2
210.0	1028.6	1045.3	1054.5	1063.9	1074.5	1072.9	1072.7	1078.2	1084.2	1089.9
240.0	1022.1	1041.1	1057.5	1067.0	1080.5	1082.7	1081.0	1083.9	1085.5	1093.7
270.0	1041.9	1055.4	1064.1	1079.0	1084.6	1082.9	1085.2	1087.4	1093.4	1100.9
300.0	1047.4	1064.8	1071.6	1084.0	1096.5	1102.8	1108.1	1109.4	1118.7	1131.0
330.0	1086.7	1097.2	1114.5	1128.2	1136.1	1142.9	1144.9	1151.4	1166.0	1179.5
360.0	1072.4	1089.0	1103.0	1117.8	1127.0	1134.3	1140.5	1141.8	1155.5	1167.1

C\γ	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1176.4	1179.5	1194.0	1197.9	1179.8	1164.9	1146.4	1114.4	1089.0	1060.4
30.0	1143.6	1147.7	1158.1	1149.3	1132.0	1122.3	1094.2	1065.0	1038.6	1012.4
60.0	1136.4	1135.1	1141.1	1126.7	1112.9	1095.5	1068.0	1038.3	1010.7	978.4
90.0	1075.2	1074.9	1075.7	1067.3	1050.4	1038.9	1019.8	991.3	964.9	931.5
120.0	1091.5	1091.7	1087.0	1077.0	1066.4	1051.2	1025.2	996.2	963.7	917.1
150.0	1082.6	1092.2	1097.7	1085.4	1080.4	1072.6	1050.9	1018.6	996.5	956.0
180.0	1102.8	1110.3	1104.9	1106.6	1099.7	1071.7	1046.2	1015.8	975.6	928.7
210.0	1096.2	1108.8	1110.7	1115.3	1122.3	1099.7	1072.3	1038.9	1003.6	971.4
240.0	1096.4	1111.6	1116.6	1116.9	1139.0	1133.6	1103.4	1075.5	1046.8	1006.4
270.0	1106.8	1104.7	1106.0	1121.4	1107.1	1081.1	1058.7	1039.4	1008.9	972.5
300.0	1142.0	1144.0	1142.0	1158.8	1153.0	1127.9	1111.2	1087.4	1056.9	1028.7
330.0	1185.2	1185.7	1204.2	1197.0	1172.0	1160.8	1134.9	1101.3	1068.6	1033.3
360.0	1176.4	1179.5	1194.0	1197.9	1179.8	1164.9	1146.4	1114.4	1089.0	1060.4

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Intensity Data [cd]

C\γ	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1017.1	960.8	876.2	769.7	652.8	521.2	419.1	317.9	254.2	218.3
30.0	968.4	898.5	785.8	679.6	564.8	442.3	350.1	264.8	221.5	180.0
60.0	921.4	840.8	718.5	600.1	486.6	376.1	281.1	234.4	198.5	160.2
90.0	898.3	821.0	727.6	641.8	517.4	427.3	323.9	250.0	208.9	175.0
120.0	851.7	775.1	643.8	545.7	450.5	289.2	266.8	224.4	186.6	159.6
150.0	897.4	815.2	713.8	620.2	491.3	389.6	302.0	249.1	214.8	178.2
180.0	846.5	756.6	630.9	515.0	418.2	288.7	266.1	221.9	188.4	162.6
210.0	906.4	817.9	703.4	592.5	487.4	372.9	288.0	251.8	209.0	175.2
240.0	967.4	885.6	783.2	680.6	568.1	445.9	353.2	282.8	230.9	194.9
270.0	916.7	813.2	717.0	588.7	474.0	388.4	287.1	241.5	202.1	170.7
300.0	990.0	921.6	824.5	703.2	598.2	487.4	376.1	294.3	235.6	202.7
330.0	980.2	893.0	780.4	649.5	543.6	435.8	292.1	265.0	223.0	183.4
360.0	1017.1	960.8	876.2	769.7	652.8	521.2	419.1	317.9	254.2	218.3

C\γ	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	168.4	139.2	118.2	104.9	93.6	82.6	75.3	65.1	55.3	47.5
30.0	144.5	122.5	104.1	92.4	83.0	75.5	65.8	58.2	49.4	43.8
60.0	131.2	110.9	96.5	84.8	75.8	67.8	59.6	52.4	46.3	40.6
90.0	148.0	123.7	105.9	90.4	79.4	75.4	64.2	57.5	50.4	44.7
120.0	135.4	117.7	99.9	86.6	77.3	69.5	61.5	54.3	48.2	42.8
150.0	153.9	132.5	113.1	95.2	85.7	75.8	67.5	59.9	51.6	45.9
180.0	137.0	116.1	99.8	88.4	76.2	68.9	61.5	52.6	46.3	40.4
210.0	147.1	122.4	105.0	93.4	81.5	72.3	64.3	56.2	48.4	42.2
240.0	161.2	135.7	114.4	98.1	88.5	76.9	72.0	61.5	51.8	46.4
270.0	140.2	115.6	100.3	88.5	79.1	70.3	62.8	54.4	47.2	41.8
300.0	160.5	130.1	113.8	98.6	87.0	77.2	69.4	62.1	52.0	46.2
330.0	143.0	121.2	107.8	95.0	84.4	74.7	66.3	57.9	48.6	43.3
360.0	168.4	139.2	118.2	104.9	93.6	82.6	75.3	65.1	55.3	47.5

C\γ	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	42.2	37.1	33.3	30.0	27.3	25.9	24.4	23.3	22.4	21.2
30.0	38.5	34.5	31.0	28.0	26.3	25.0	23.7	22.8	21.7	20.7
60.0	36.4	32.2	28.9	26.8	25.5	24.1	23.0	22.1	21.1	20.1
90.0	38.7	35.0	31.7	27.8	26.4	24.8	23.8	22.5	21.6	20.7
120.0	37.2	33.4	29.5	27.2	25.5	24.3	23.2	22.0	21.2	20.2
150.0	39.9	35.9	31.8	28.1	26.7	25.0	23.9	22.8	21.7	20.9
180.0	36.5	32.2	28.6	27.1	25.4	24.3	23.1	22.0	21.1	20.2
210.0	38.0	33.2	30.2	27.9	26.2	25.0	23.6	22.5	21.5	20.6
240.0	40.6	36.4	32.4	29.1	27.0	25.6	24.2	23.0	21.9	21.0
270.0	36.8	33.2	29.8	27.6	25.8	24.6	23.4	22.2	21.3	20.3
300.0	40.9	36.5	32.4	29.7	27.5	25.9	24.6	23.3	22.3	21.2
330.0	38.1	34.0	30.5	28.0	26.4	25.0	23.7	22.5	21.7	20.5
360.0	42.2	37.1	33.3	30.0	27.3	25.9	24.4	23.3	22.4	21.2

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Intensity Data [cd]

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C\γ	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	20.4	19.5	18.6	17.4	16.5	15.6	14.5	13.6	12.7	11.6
30.0	19.9	18.9	18.0	16.9	15.9	15.1	14.1	13.1	12.1	11.0
60.0	19.1	18.2	17.1	16.3	15.4	14.4	13.7	12.6	11.6	10.4
90.0	19.7	18.8	17.8	16.9	16.0	15.1	14.2	13.3	12.4	11.2
120.0	19.2	18.2	17.4	16.4	15.5	14.7	13.8	12.9	11.8	10.6
150.0	19.9	18.9	17.9	17.0	16.0	15.2	14.3	13.4	12.5	11.2
180.0	19.2	18.2	17.3	16.3	15.4	14.5	13.7	12.7	11.5	10.4
210.0	19.6	18.6	17.6	16.6	15.6	14.6	13.9	12.9	11.9	10.8
240.0	20.2	19.3	18.2	17.2	16.0	15.2	14.2	13.3	12.5	11.4
270.0	19.3	18.4	17.4	16.4	15.3	14.3	13.4	12.5	11.4	10.3
300.0	20.2	19.4	18.2	17.3	16.1	15.1	14.1	13.2	12.2	11.1
330.0	19.6	18.8	17.7	16.7	15.6	14.6	13.7	12.6	11.6	10.4
360.0	20.4	19.5	18.6	17.4	16.5	15.6	14.5	13.6	12.7	11.6

C\γ	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	10.5	9.1	7.9	6.7	5.7	4.7	3.8	2.5	1.5	1.1
30.0	9.8	8.5	7.3	6.3	5.3	4.2	3.2	1.9	1.1	1.0
60.0	9.1	8.0	6.8	5.8	4.7	3.7	2.3	1.4	1.0	0.9
90.0	10.0	8.7	7.5	6.4	5.2	4.3	3.0	1.9	1.2	1.0
120.0	9.1	7.8	6.8	5.6	4.7	3.5	2.2	1.3	1.0	0.9
150.0	10.0	8.6	7.3	6.3	5.1	4.2	2.9	1.9	1.1	1.0
180.0	8.9	7.7	6.6	5.5	4.6	3.4	2.2	1.1	1.0	0.9
210.0	9.3	8.2	6.9	5.8	4.9	3.8	2.7	1.6	1.1	1.0
240.0	10.2	8.8	7.5	6.6	5.4	4.5	3.5	2.3	1.3	1.0
270.0	9.0	7.8	6.7	5.6	4.8	3.6	2.5	1.7	1.1	1.0
300.0	9.9	8.7	7.5	6.4	5.5	4.5	3.5	2.4	1.3	1.0
330.0	9.1	7.9	6.8	5.8	4.9	4.0	2.7	1.8	1.1	1.0
360.0	10.5	9.1	7.9	6.7	5.7	4.7	3.8	2.5	1.5	1.1

C\γ	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1
30.0	0.9	0.8	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2
60.0	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1
90.0	0.9	0.8	0.7	0.5	0.5	0.4	0.3	0.2	0.2	0.1
120.0	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.0
150.0	0.9	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.2	0.1
180.0	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0
210.0	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.1
240.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1
270.0	0.8	0.7	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.1
300.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1
330.0	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
360.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.1

Intensity Data [cd]		Page5
C\γ	90.0	
0.0	0.1	
30.0	0.1	
60.0	0.0	
90.0	0.1	
120.0	0.0	
150.0	0.1	
180.0	0.0	
210.0	0.1	
240.0	0.0	
270.0	0.0	
300.0	0.0	
330.0	0.1	
360.0	0.1	

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Zonal flux distribution table

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Gamma [°]	Average I [cd]	Zonal Flux [lm]	Sum Flux [lm]	Effective Flux [lm]	Effective Sum [lm]
0	928.35	0.00	0.00	0.00	0.00
1	933.87	0.89	0.89	0.89	0.89
2	945.56	2.70	3.59	2.70	3.59
3	958.11	4.55	8.14	4.55	8.14
4	969.39	6.45	14.59	6.45	14.59
5	981.03	8.39	22.98	8.39	22.98
6	995.95	10.39	33.37	10.39	33.37
7	1011.51	12.46	45.83	12.46	45.83
8	1026.02	14.58	60.42	14.58	60.42
9	1037.27	16.72	77.14	16.72	77.14
10	1050.65	18.89	96.03	18.89	96.03
11	1065.34	21.14	117.18	21.14	117.18
12	1075.83	23.41	140.58	23.41	140.58
13	1083.48	25.63	166.21	25.63	166.21
14	1090.55	27.83	194.03	27.83	194.03
15	1094.96	30.00	224.04	30.00	224.04
16	1097.25	32.12	256.16	32.12	256.16
17	1101.01	34.23	290.39	34.23	290.39
18	1107.56	36.41	326.81	36.41	326.81
19	1114.12	38.65	365.46	38.65	365.46
20	1119.59	40.88	406.34	40.88	406.34
21	1123.86	43.08	449.42	43.08	449.42
22	1128.16	45.26	494.68	45.26	494.68
23	1126.63	47.31	541.99	47.31	541.99
24	1117.93	49.07	591.06	49.07	591.06
25	1101.67	50.47	641.53	50.47	641.53
26	1077.59	51.44	692.97	51.44	692.97
27	1048.51	52.02	744.99	52.02	744.99
28	1018.66	52.34	797.33	52.34	797.33
29	983.07	52.37	849.70	52.37	849.70
30	930.13	51.66	901.35	51.66	901.35
31	849.95	49.54	950.89	49.54	950.89
32	742.09	45.61	996.50	45.61	996.50
33	632.22	40.49	1036.99	40.49	1036.99
34	521.06	34.90	1071.89	34.90	1071.89
35	405.41	28.77	1100.66	28.77	1100.66
36	317.14	23.01	1123.67	23.01	1123.67
37	258.14	18.76	1142.43	18.76	1142.43
38	214.46	15.77	1158.21	15.77	1158.21
39	180.07	13.47	1171.67	13.47	1171.67
40	147.53	11.43	1183.10	11.43	1183.10

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Zonal flux distribution table

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Gamma [°]	Average I [cd]	Zonal Flux [lm]	Sum Flux [lm]	Effective Flux [lm]	Effective Sum [lm]
41	123.97	9.67	1192.76	9.67	1192.76
42	106.58	8.38	1201.14	1.47	1194.23
43	93.03	7.39	1208.54	0.00	1194.23
44	82.61	6.63	1215.16	0.00	1194.23
45	73.90	6.01	1221.18	0.00	1194.23
46	65.84	5.46	1226.64	0.00	1194.23
47	57.67	4.91	1231.56	0.00	1194.23
48	49.62	4.34	1235.89	0.00	1194.23
49	43.81	3.84	1239.73	0.00	1194.23
50	38.66	3.44	1243.17	0.00	1194.23
51	34.46	3.09	1246.26	0.00	1194.23
52	30.83	2.80	1249.06	0.00	1194.23
53	28.11	2.56	1251.63	0.00	1194.23
54	26.35	2.40	1254.03	0.00	1194.23
55	24.97	2.29	1256.32	0.00	1194.23
56	23.71	2.20	1258.52	0.00	1194.23
57	22.59	2.12	1260.63	0.00	1194.23
58	21.61	2.04	1262.68	0.00	1194.23
59	20.63	1.97	1264.65	0.00	1194.23
60	19.70	1.90	1266.56	0.00	1194.23
61	18.76	1.84	1268.39	0.00	1194.23
62	17.75	1.76	1270.15	0.00	1194.23
63	16.77	1.68	1271.83	0.00	1194.23
64	15.78	1.60	1273.43	0.00	1194.23
65	14.86	1.52	1274.94	0.00	1194.23
66	13.97	1.44	1276.38	0.00	1194.23
67	13.03	1.36	1277.74	0.00	1194.23
68	12.01	1.27	1279.01	0.00	1194.23
69	10.87	1.17	1280.18	0.00	1194.23
70	9.59	1.05	1281.23	0.00	1194.23
71	8.32	0.93	1282.15	0.00	1194.23
72	7.15	0.80	1282.96	0.00	1194.23
73	6.07	0.69	1283.65	0.00	1194.23
74	5.07	0.59	1284.23	0.00	1194.23
75	4.02	0.48	1284.71	0.00	1194.23
76	2.86	0.37	1285.08	0.00	1194.23
77	1.80	0.25	1285.33	0.00	1194.23
78	1.16	0.16	1285.48	0.00	1194.23
79	0.98	0.11	1285.60	0.00	1194.23
80	0.85	0.10	1285.70	0.00	1194.23
81	0.74	0.09	1285.78	0.00	1194.23

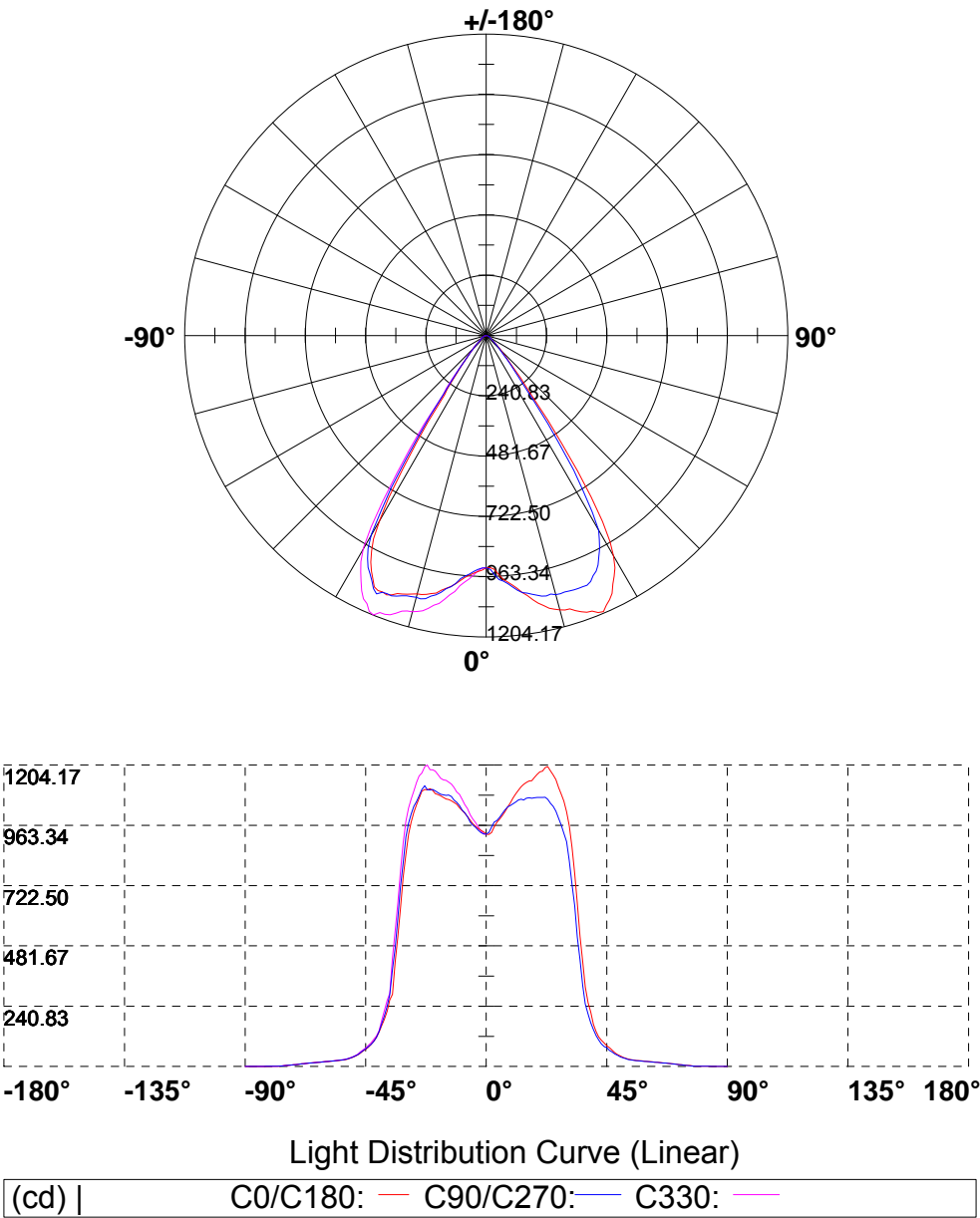
R852 WNL (CRI90 350mA 70D)

Zonal flux distribution table

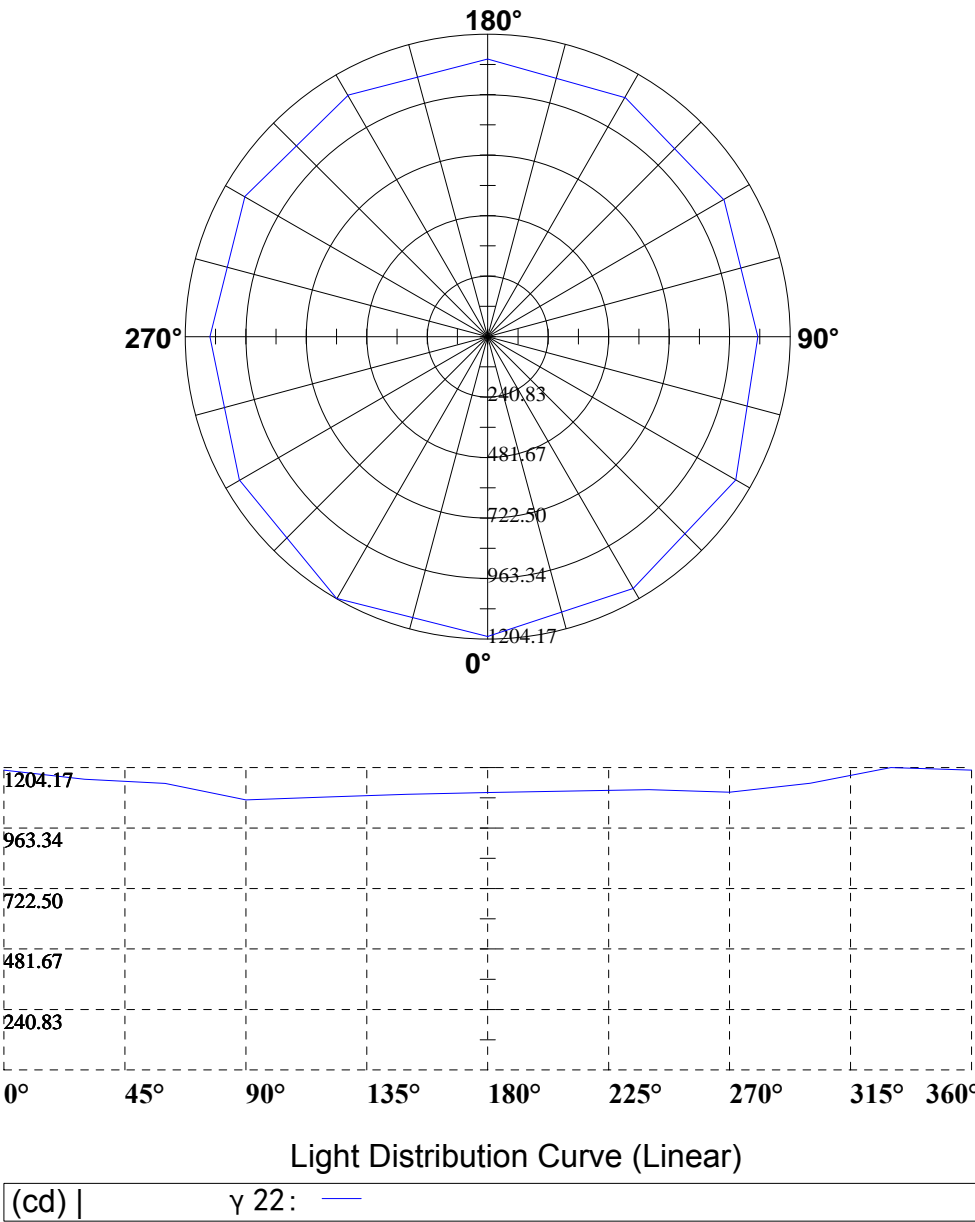
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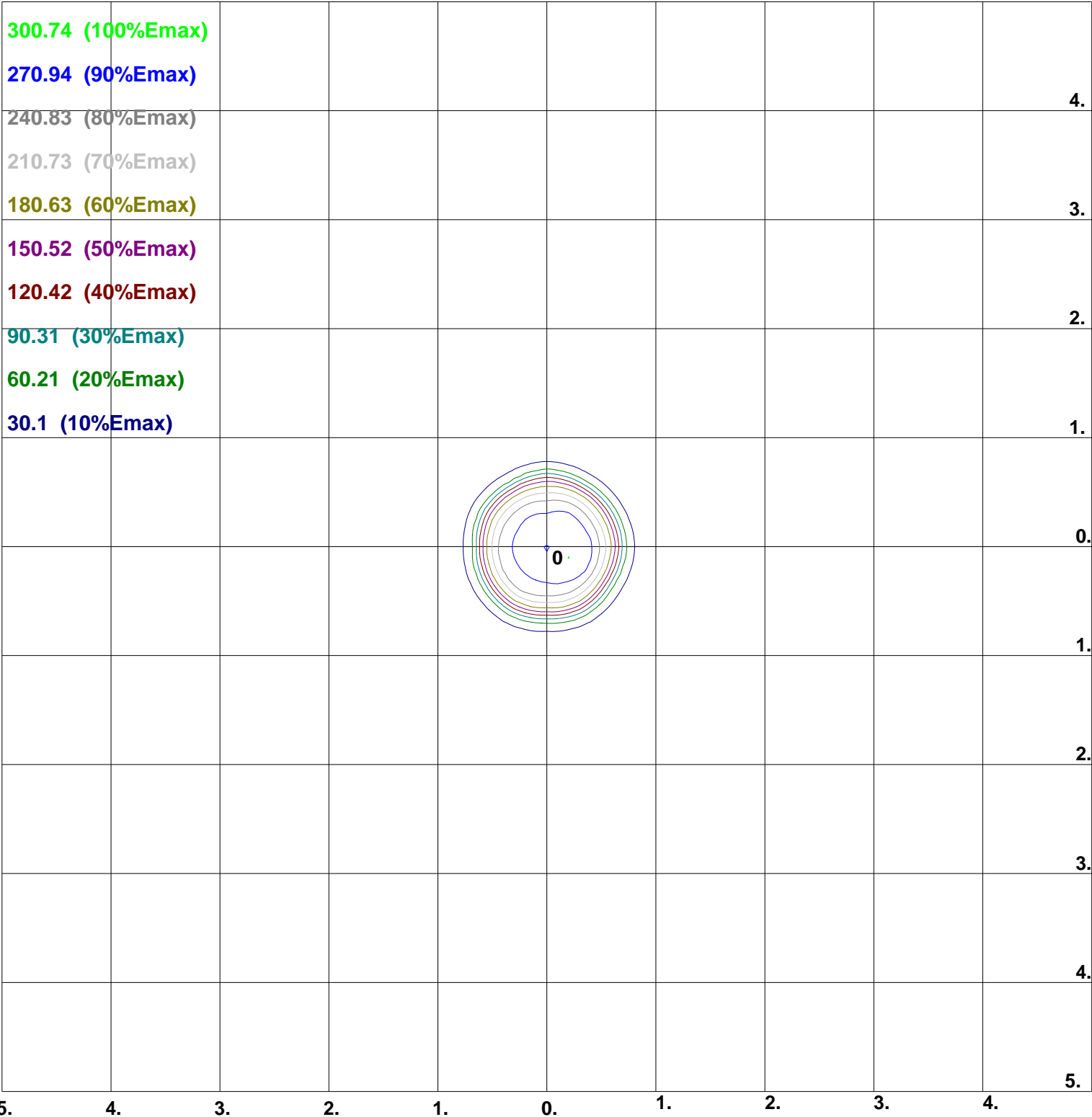
[illegible]

Light Distribution Curve [Unit: cd]



Horizontal cone through Max.cd [Unit: cd]



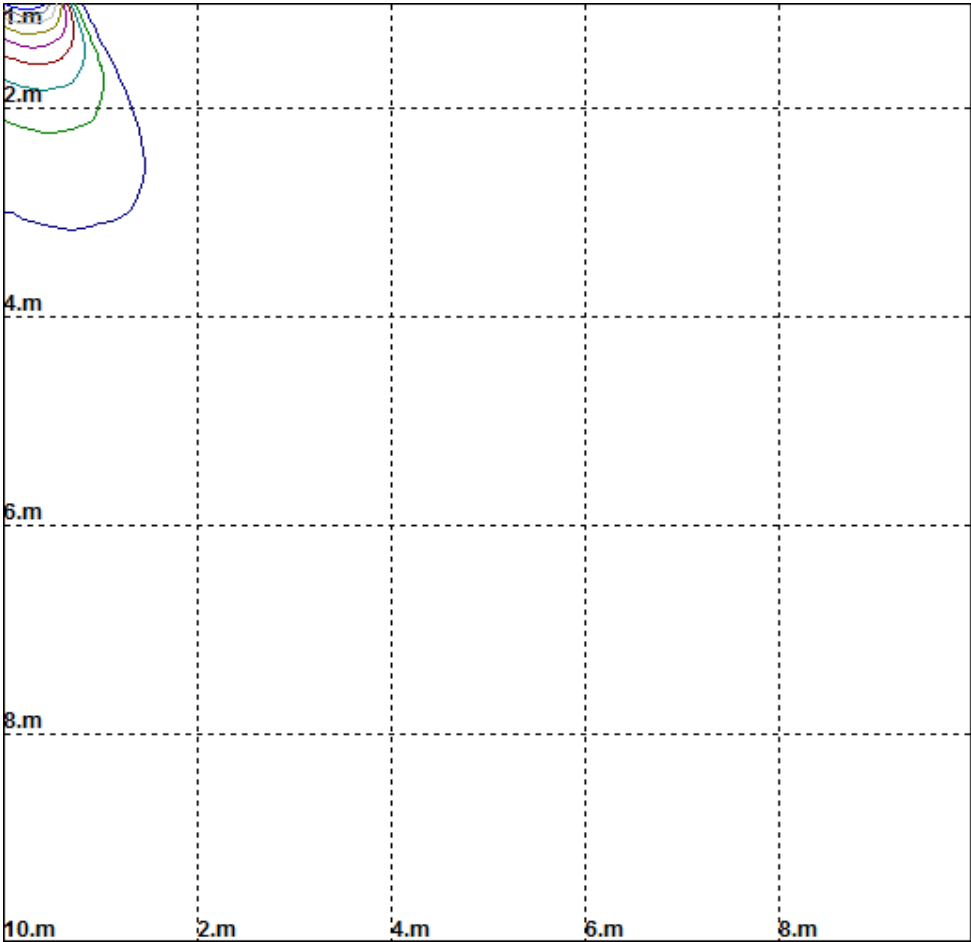


Coordinate Scale: d/h
Height: 2 m
Max Illuminance : 301.04lx

Space ISO-lx

Unit: [lx]
Illuminance

- 300.74
- 270.94
- 240.83
- 210.73
- 180.63
- 150.52
- 120.42
- 90.31
- 60.21
- 30.1



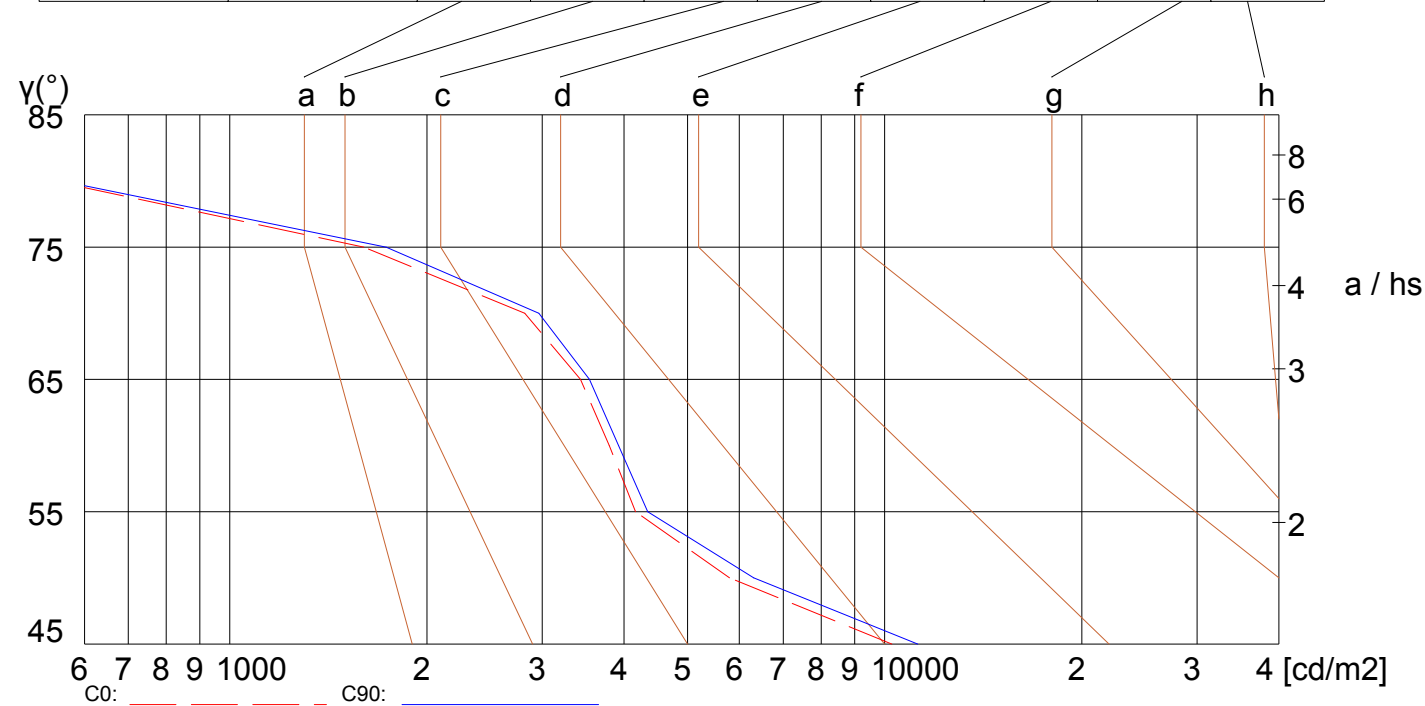
Luminance Limiting Curve (There is not luminous side)

Diameter: 115mm
Length: -115mm
Width: -115mm
Height: 105mm

(cd/m2)

γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	10253	5795	4166	3797	3431	2821	1602	487	405
C90	11230	6309	4348	3924	3541	2965	1733	512	437

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Luminance Limiting Curve (C0/C90)

R852 WNL (CRI90 350mA 70D)

utilization factor table for indoor luminaire

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RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION FOR RHOFC=20															
0	0.92	0.92	0.92	0.90	0.90	0.90	0.86	0.86	0.86	0.83	0.83	0.83	0.79	0.79	0.79	0.78
1	0.88	0.87	0.87	0.87	0.86	0.85	0.83	0.82	0.82	0.79	0.78	0.77	0.74	0.73	0.72	0.68
2	0.82	0.81	0.80	0.81	0.79	0.78	0.78	0.76	0.75	0.74	0.72	0.71	0.70	0.68	0.66	0.62
3	0.76	0.75	0.74	0.75	0.73	0.72	0.72	0.70	0.69	0.69	0.67	0.65	0.66	0.63	0.61	0.58
4	0.70	0.69	0.68	0.70	0.68	0.67	0.68	0.65	0.64	0.65	0.62	0.60	0.62	0.59	0.57	0.53
5	0.65	0.64	0.63	0.65	0.63	0.62	0.63	0.61	0.59	0.61	0.58	0.56	0.58	0.55	0.53	0.49
6	0.61	0.59	0.59	0.60	0.58	0.57	0.59	0.56	0.55	0.57	0.54	0.52	0.55	0.52	0.49	0.46
7	0.57	0.55	0.54	0.56	0.54	0.53	0.55	0.53	0.51	0.54	0.51	0.48	0.52	0.48	0.45	0.43
8	0.53	0.52	0.51	0.53	0.51	0.50	0.52	0.49	0.47	0.51	0.47	0.45	0.49	0.45	0.42	0.40
9	0.50	0.48	0.47	0.49	0.48	0.46	0.49	0.46	0.44	0.48	0.44	0.42	0.46	0.43	0.40	0.37
10	0.46	0.45	0.44	0.46	0.45	0.43	0.46	0.43	0.41	0.45	0.42	0.39	0.44	0.40	0.37	0.35



Operator
Telephone
Fax
e-Mail

R852 WNL (CRI90 350mA 70D) / UGR-Table

Luminaire: R852 WNL (CRI90 350mA 70D)

Lamps: 1 x LUMINUS CLM-9-40-90-36-TC40-F5-2 350mA

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15.5	16.2	15.7	16.4	16.6	15.5	16.2	15.7	16.4	16.6
	3H	15.4	16.0	15.7	16.3	16.5	15.4	16.0	15.7	16.3	16.5
	4H	15.3	16.0	15.7	16.2	16.5	15.3	16.0	15.7	16.2	16.5
	6H	15.3	15.8	15.6	16.1	16.4	15.3	15.8	15.6	16.1	16.4
	8H	15.2	15.8	15.6	16.1	16.4	15.2	15.8	15.6	16.1	16.4
	12H	15.2	15.7	15.5	16.0	16.3	15.2	15.7	15.5	16.0	16.3
4H	2H	15.3	15.9	15.6	16.2	16.4	15.3	15.9	15.6	16.2	16.4
	3H	15.3	15.8	15.6	16.1	16.4	15.3	15.8	15.6	16.1	16.4
	4H	15.2	15.6	15.6	16.0	16.3	15.2	15.6	15.6	16.0	16.3
	6H	15.1	15.5	15.5	15.9	16.2	15.1	15.5	15.5	15.9	16.2
	8H	15.1	15.4	15.5	15.8	16.2	15.1	15.4	15.5	15.8	16.2
	12H	15.1	15.3	15.5	15.7	16.2	15.1	15.3	15.5	15.7	16.2
8H	4H	15.1	15.4	15.5	15.8	16.2	15.1	15.4	15.5	15.8	16.2
	6H	15.0	15.3	15.5	15.7	16.1	15.0	15.3	15.5	15.7	16.1
	8H	15.0	15.2	15.4	15.6	16.1	15.0	15.2	15.4	15.6	16.1
	12H	14.9	15.1	15.4	15.6	16.1	14.9	15.1	15.4	15.6	16.1
12H	4H	15.1	15.3	15.5	15.7	16.2	15.1	15.3	15.5	15.7	16.2
	6H	15.0	15.2	15.4	15.6	16.1	15.0	15.2	15.4	15.6	16.1
	8H	14.9	15.1	15.4	15.6	16.1	14.9	15.1	15.4	15.6	16.1
Variation of the observer position for the luminaire distances S											
S = 1.0H		+5.8 / -7.6					+5.8 / -7.6				
S = 1.5H		+8.6 / -8.4					+8.6 / -8.4				
S = 2.0H		+10.5 / -9.4					+10.5 / -9.4				
Standard table		BK00					BK00				
Correction Summand		-4.0					-4.0				
Corrected Glare Indices referring to 1658lm Total Luminous Flux											

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 0.25.