

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P798178

Luminaire Tested: 14GRSCT3-FGW080-UNV-MID-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798178  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P291572)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-FGW080-UNV-MID-3500K  
Description: GRLED Selectable  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

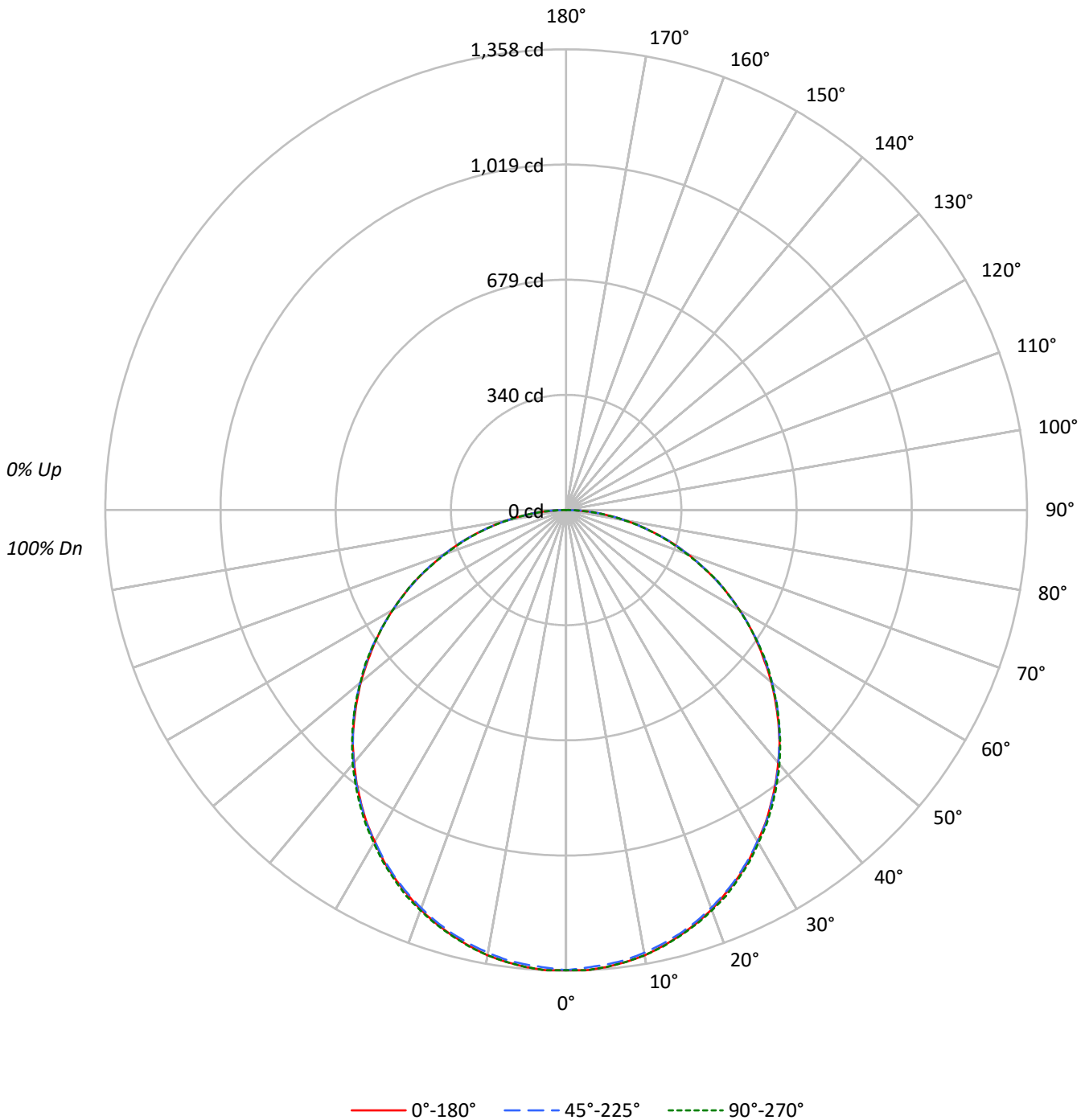
Lumens per Lamp: N/A  
Luminaire Lumens: 3878.5 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	108	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83	83	83	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69	69	69	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58	58	58	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49	49	49	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42	42	42	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	37	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33	33	33	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29	29	29	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3650	3650	3650
5°	3654	3633	3654
10°	3642	3621	3642
15°	3617	3602	3620
20°	3589	3576	3597
25°	3553	3545	3564
30°	3505	3505	3521
35°	3462	3466	3482
40°	3414	3419	3436
45°	3365	3374	3379
50°	3306	3317	3311
55°	3240	3258	3252
60°	3176	3176	3176
65°	3103	3103	3119
70°	3005	3005	2976
75°	2900	2886	2875
80°	2768	2748	2727
85°	2600	2566	2485

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3379 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	3.3
10°-20°	366.1	9.4
20°-30°	551.6	14.2
30°-40°	661.1	17.0
40°-50°	683.6	17.6
50°-60°	619.8	16.0
60°-70°	481.7	12.4
70°-80°	294.2	7.6
80°-90°	92.1	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1046.0	27.0
0°-40°	1707.1	44.0
0°-60°	3010.5	77.6
0°-90°	3878.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3878.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1353	1351	1345	1351	1353	128
15°	1298	1298	1293	1299	1299	366
25°	1196	1196	1194	1201	1200	551
35°	1054	1055	1055	1060	1060	659
45°	884	885	886	888	888	682
55°	691	693	694	694	693	618
65°	487	487	487	485	490	481
75°	279	279	278	276	276	295
85°	84	82	83	80	80	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1356.4	1356.4	1356.4	1356.4	1356.4
2.5°	1357.7	1356.4	1350.2	1356.4	1357.7
5°	1352.6	1351.3	1345.1	1351.3	1352.6
7.5°	1344.1	1344.1	1337.9	1344.1	1344.1
10°	1332.8	1331.7	1325.3	1331.7	1332.8
12.5°	1316.7	1316.7	1310.5	1316.7	1318.0
15°	1298.2	1298.2	1293.1	1299.3	1299.3
17.5°	1277.0	1278.3	1272.2	1279.4	1279.4
20°	1253.4	1252.3	1248.6	1254.7	1256.1
22.5°	1225.0	1226.3	1222.6	1229.8	1231.1
25°	1196.5	1196.5	1193.9	1201.4	1200.3
27.5°	1165.4	1165.4	1161.7	1167.8	1169.2
30°	1128.1	1129.5	1128.1	1134.6	1133.2
32.5°	1093.5	1094.9	1094.9	1097.3	1098.4
35°	1053.8	1055.2	1055.2	1060.0	1060.0
37.5°	1014.1	1014.1	1015.5	1019.2	1019.2
40°	972.0	973.4	973.4	976.9	978.2
42.5°	931.0	928.6	929.9	933.7	933.7
45°	884.1	885.1	886.5	887.8	887.8
47.5°	836.8	839.3	840.6	841.9	840.6
50°	789.6	792.3	792.3	791.0	791.0
52.5°	738.9	745.1	743.8	743.8	746.5
55°	690.7	693.1	694.4	694.4	693.1
57.5°	642.1	644.8	642.1	643.5	641.0
60°	590.1	591.4	590.1	590.1	590.1
62.5°	539.4	540.5	538.1	538.1	538.1
65°	487.4	487.4	487.4	484.7	489.8
67.5°	432.6	435.1	435.1	436.4	431.6
70°	381.9	383.0	381.9	380.6	378.2
72.5°	331.0	332.3	333.4	328.6	327.2
75°	278.9	278.9	277.6	276.5	276.5
77.5°	228.3	228.3	228.3	225.6	225.6
80°	178.6	179.7	177.3	177.3	176.0
82.5°	130.1	130.1	130.1	129.0	126.3
85°	84.2	81.8	83.1	80.5	80.5
87.5°	38.4	38.4	38.4	35.9	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)