

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: P798153

Luminaire Tested: 14GRSCT3-F1-UNV-HIGH-3000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-49)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14GRSCT3-F1-UNV-HIGH-3000K
Description: GRLED Selectable
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

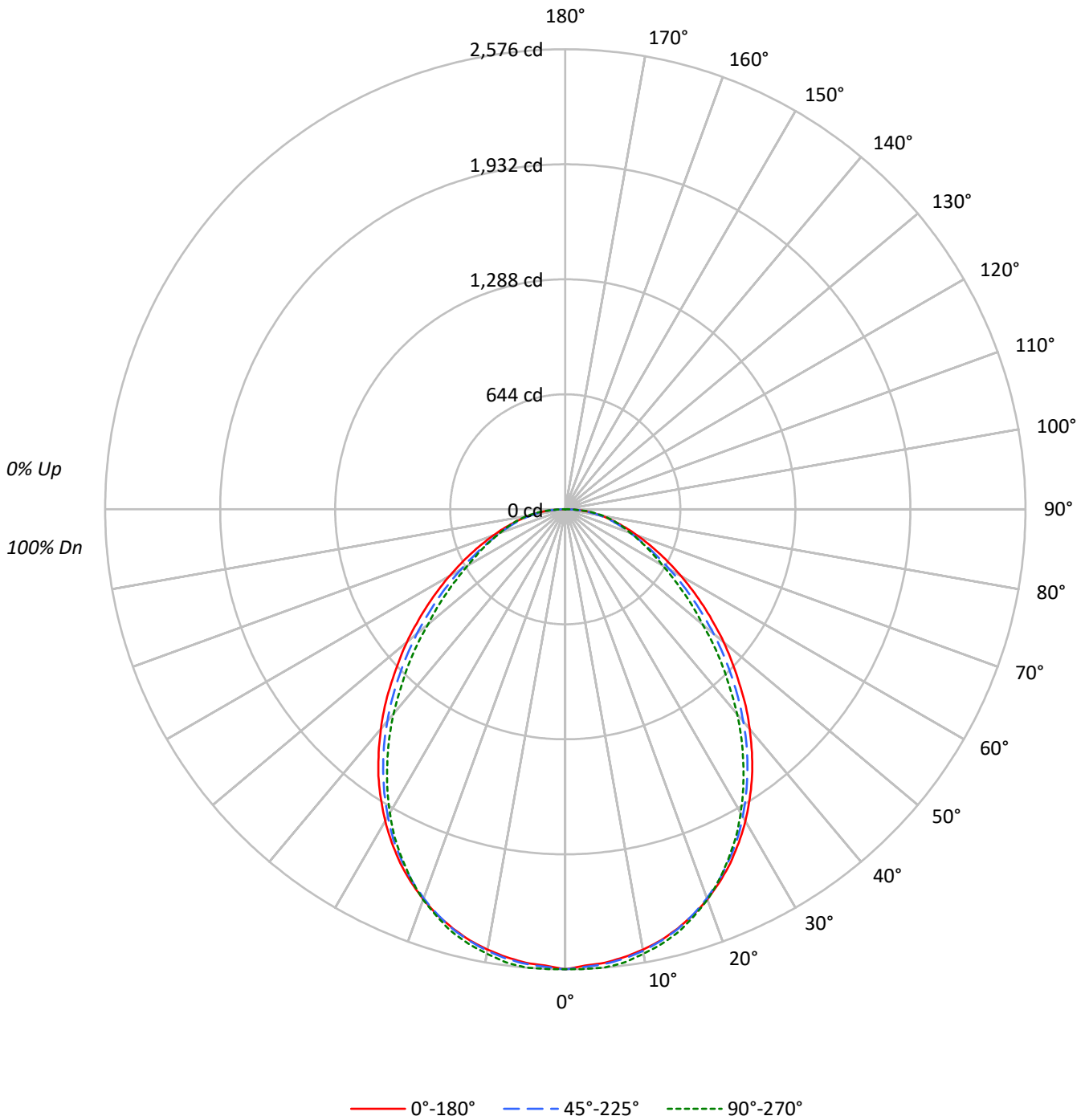
Lumens per Lamp: N/A
Luminaire Lumens: 5794.0 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.15 / 1.23
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (A_{in}): 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				
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	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	75	73
3	92	82	75	68	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	64	62
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	56	56	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	50	50	50	48
6	73	60	52	46	71	59	51	45	57	50	45	56	49	45	54	49	44	44	44	44	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	40	40	40	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	36	36	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	33	33	33	31
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6931	6931	6931
5°	6885	6902	6955
10°	6842	6860	6904
15°	6770	6780	6827
20°	6657	6639	6662
25°	6491	6438	6414
30°	6266	6174	6101
35°	5990	5840	5708
40°	5643	5445	5257
45°	5243	4998	4746
50°	4847	4537	4204
55°	4426	4070	3772
60°	4034	3635	3390
65°	3663	3288	3191
70°	3374	3043	3072
75°	3195	2973	3167
80°	3171	3031	3392
85°	3338	3199	3696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5243 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.2	4.2
10°-20°	686.8	11.9
20°-30°	999.0	17.2
30°-40°	1111.6	19.2
40°-50°	1014.5	17.5
50°-60°	781.4	13.5
60°-70°	526.6	9.1
70°-80°	314.9	5.4
80°-90°	116.1	2.0
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°	1929.0	33.3
0°-40°	3040.5	52.5
0°-60°	4836.4	83.5
0°-90°	5794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2576	2576	2576	2576	2576	
5°	2549	2576	2555	2559	2575	242
15°	2430	2450	2434	2435	2450	685
25°	2186	2196	2168	2159	2160	1005
35°	1823	1818	1778	1748	1738	1137
45°	1378	1368	1313	1266	1247	1064
55°	943	919	868	819	804	846
65°	575	552	516	500	501	574
75°	307	298	286	297	305	328
85°	108	104	104	121	120	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2575.6	2575.6	2575.6	2575.6	2575.6
2.5°	2557.7	2586.3	2564.9	2570.2	2576.5
5°	2548.8	2575.6	2555.1	2558.6	2574.7
7.5°	2529.2	2557.7	2537.2	2539.9	2558.6
10°	2504.1	2530.0	2510.4	2513.1	2526.5
12.5°	2472.0	2495.2	2475.6	2477.3	2493.4
15°	2430.0	2450.5	2433.6	2435.3	2450.5
17.5°	2381.7	2400.5	2379.1	2380.0	2390.7
20°	2324.6	2341.5	2318.3	2313.0	2326.4
22.5°	2258.5	2271.9	2247.7	2239.7	2248.6
25°	2186.1	2195.9	2168.2	2159.3	2160.2
27.5°	2103.9	2111.9	2084.3	2067.3	2069.1
30°	2016.4	2018.1	1986.9	1967.2	1963.6
32.5°	1921.7	1922.5	1885.0	1863.6	1853.8
35°	1823.4	1818.0	1777.8	1748.3	1737.6
37.5°	1716.2	1709.9	1667.9	1632.2	1620.6
40°	1606.3	1597.4	1550.0	1511.6	1496.4
42.5°	1495.5	1483.9	1432.1	1391.0	1366.0
45°	1377.6	1367.8	1313.3	1265.9	1247.2
47.5°	1265.9	1252.5	1197.1	1147.1	1127.4
50°	1157.8	1138.2	1083.7	1031.0	1004.2
52.5°	1047.9	1026.5	971.1	920.2	903.2
55°	943.4	919.3	867.5	819.2	804.0
57.5°	843.3	819.2	768.3	726.3	712.0
60°	749.5	722.7	675.4	641.4	629.8
62.5°	659.3	633.4	593.2	566.4	561.0
65°	575.3	552.1	516.4	500.3	501.2
67.5°	499.4	478.9	449.4	444.0	441.3
70°	428.8	411.8	386.8	389.5	390.4
72.5°	365.4	352.0	337.7	341.3	346.6
75°	307.3	297.5	285.9	296.6	304.6
77.5°	254.6	244.8	240.3	252.8	260.0
80°	204.6	196.5	195.6	209.9	218.9
82.5°	155.4	150.1	149.2	165.3	171.5
85°	108.1	103.6	103.6	120.6	119.7
87.5°	58.1	56.3	52.7	63.4	57.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)