

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: P798167

Luminaire Tested: 14GRSCT3-F125-UNV-LOW-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P290788)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14GRSCT3-F125-UNV-LOW-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

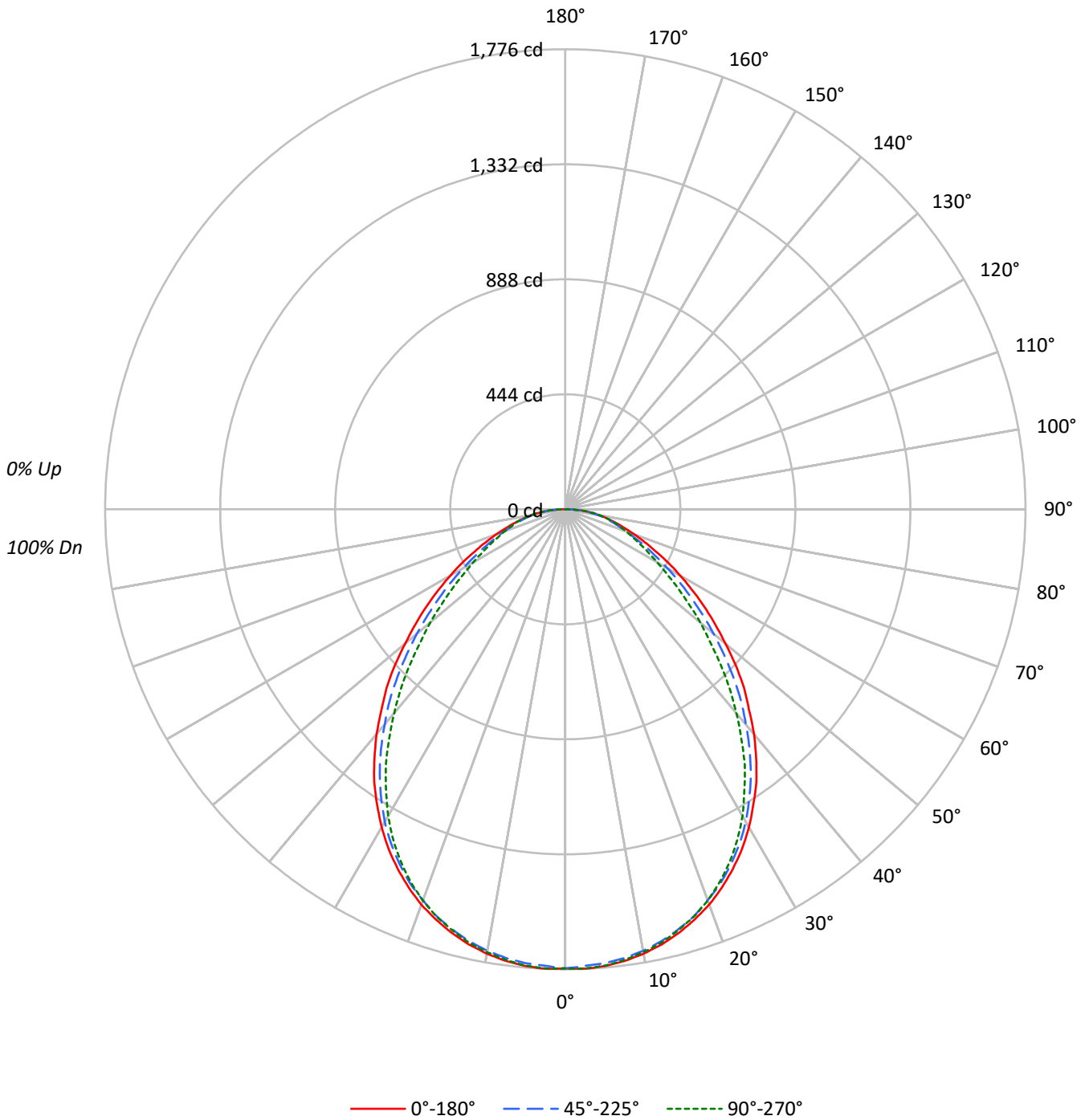
Lumens per Lamp: N/A
Luminaire Lumens: 3979.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.16 / 1.24
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
Input Voltage (V): 120
Input Current (Ain): 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	88	85
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75	75	75	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	65	65	65	63
4	85	74	66	59	83	73	65	59	70	64	58	68	62	58	66	61	57	57	57	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	50	50	50	48
6	73	60	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	45	45	45	43
7	68	55	47	41	66	54	47	41	53	46	41	51	45	40	50	44	40	40	40	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	36	36	36	34
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	33	33	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4770	4770	4770
5°	4781	4751	4776
10°	4759	4729	4744
15°	4717	4681	4688
20°	4651	4600	4603
25°	4545	4490	4459
30°	4405	4330	4249
35°	4225	4102	3967
40°	3980	3809	3609
45°	3711	3487	3227
50°	3374	3128	2851
55°	3071	2774	2485
60°	2754	2443	2207
65°	2456	2176	2029
70°	2234	1983	1961
75°	2087	1932	2031
80°	2100	1999	2114
85°	2189	2047	2340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3711 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	4.2
10°-20°	475.2	11.9
20°-30°	696.7	17.5
30°-40°	777.6	19.5
40°-50°	704.0	17.7
50°-60°	531.6	13.4
60°-70°	347.5	8.7
70°-80°	204.1	5.1
80°-90°	74.7	1.9
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°	1339.5	33.7
0°-40°	2117.1	53.2
0°-60°	3352.7	84.3
0°-90°	3979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1773	1773	1773	1773	1773	
5°	1770	1766	1759	1769	1768	168
15°	1693	1690	1680	1690	1683	477
25°	1531	1525	1512	1509	1502	704
35°	1286	1275	1249	1221	1208	801
45°	975	960	916	867	848	749
55°	655	640	591	545	530	586
65°	386	374	342	322	319	387
75°	201	195	186	190	195	216
85°	71	68	66	75	76	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1775.5	1772.6	1764.1	1775.5	1774.5
5°	1769.8	1766.0	1758.7	1769.0	1767.9
7.5°	1758.7	1754.9	1747.3	1756.8	1754.9
10°	1741.8	1738.1	1730.7	1740.8	1736.2
12.5°	1720.4	1716.6	1708.2	1717.4	1713.9
15°	1693.2	1690.5	1680.2	1689.5	1682.9
17.5°	1660.6	1655.8	1648.4	1654.1	1649.3
20°	1624.2	1618.5	1606.3	1612.0	1607.4
22.5°	1580.2	1572.7	1564.3	1564.3	1557.7
25°	1530.8	1525.1	1512.1	1509.3	1501.8
27.5°	1477.6	1472.9	1456.1	1451.3	1438.2
30°	1417.8	1411.3	1393.4	1378.5	1367.3
32.5°	1351.5	1346.7	1322.5	1302.9	1286.9
35°	1286.1	1274.9	1248.6	1220.6	1207.6
37.5°	1209.5	1201.1	1168.5	1133.7	1116.1
40°	1132.9	1122.6	1084.3	1046.0	1027.3
42.5°	1049.8	1040.3	1003.9	958.2	938.7
45°	975.1	960.1	916.2	866.7	848.0
47.5°	892.8	877.0	830.3	777.9	756.5
50°	805.9	795.8	747.2	696.7	680.9
52.5°	728.5	712.7	666.8	617.4	600.5
55°	654.6	639.7	591.3	544.6	529.6
57.5°	581.0	564.1	522.0	480.0	465.0
60°	511.7	494.9	453.9	419.4	410.1
62.5°	449.2	430.5	394.1	367.0	360.4
65°	385.7	373.5	341.7	322.2	318.6
67.5°	332.5	317.5	292.3	283.0	281.1
70°	283.9	273.5	252.1	249.3	249.3
72.5°	240.1	231.7	215.7	217.6	220.3
75°	200.7	195.3	185.8	189.6	195.3
77.5°	167.1	161.6	155.9	161.6	165.4
80°	135.5	129.8	129.0	133.6	136.4
82.5°	101.8	97.2	98.1	105.6	108.4
85°	70.9	68.2	66.3	74.7	75.8
87.5°	36.4	34.5	33.7	40.2	38.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)