

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: P798260

Luminaire Tested: 24GRSCT3-A125-UNV-MID-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P293710)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24GRSCT3-A125-UNV-MID-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

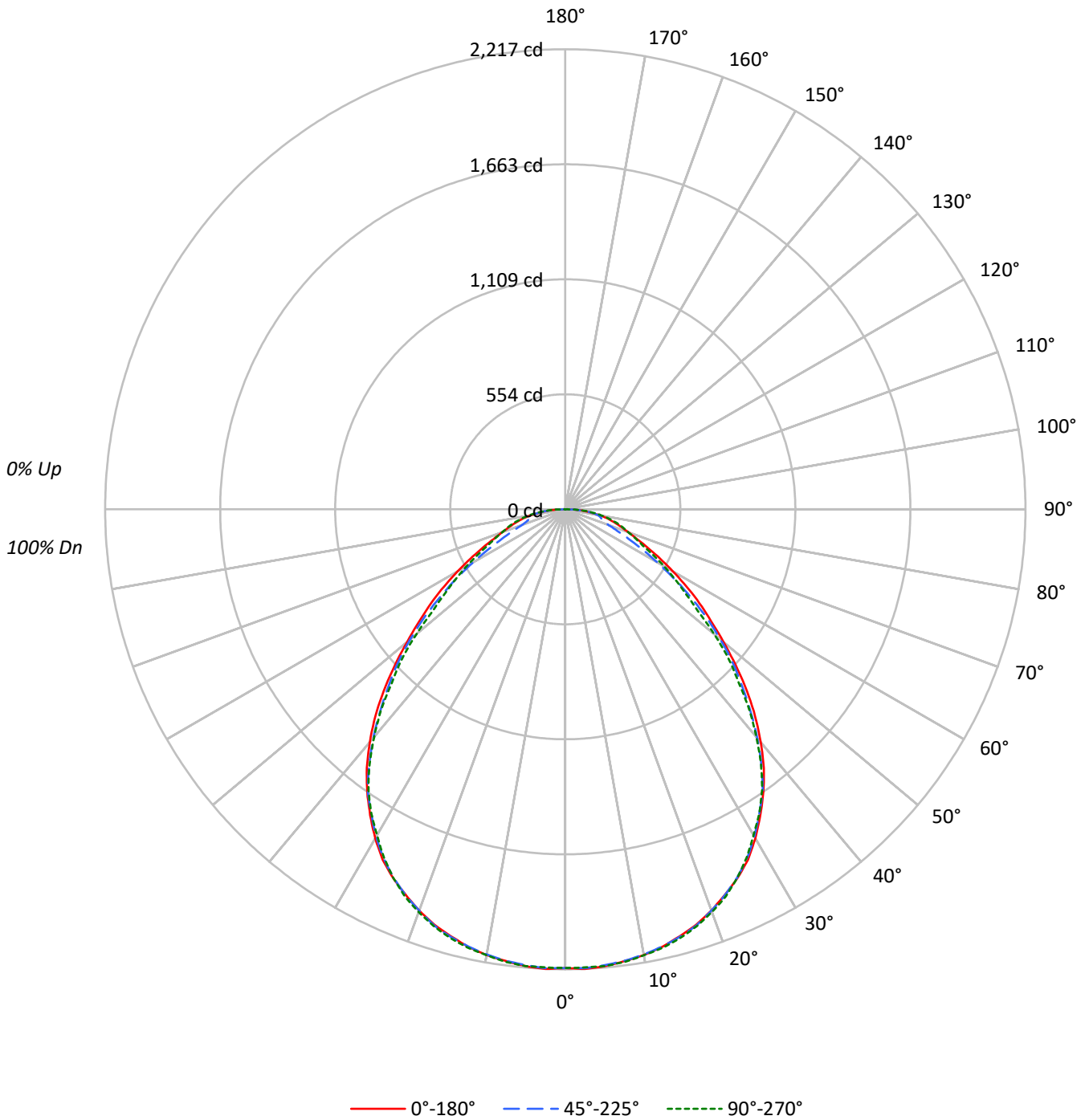
Lumens per Lamp: N/A
Luminaire Lumens: 5059.4 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 34.2
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	100	96	99	96	93	95	93	90	91	90	88	88	88	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	76	76	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	66	66	66	64
4	86	75	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	57	57	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	51	51	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	45	45	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	41	41	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	37	37	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	33	33	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	30	30	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2975	2975	2975
5°	2985	2978	2984
10°	2981	2976	2982
15°	2966	2972	2980
20°	2946	2946	2957
25°	2913	2907	2909
30°	2845	2830	2817
35°	2733	2725	2715
40°	2574	2527	2516
45°	2355	2290	2248
50°	2082	2040	1961
55°	1851	1726	1659
60°	1612	1380	1481
65°	1392	1070	1309
70°	1270	876	1266
75°	1280	944	1346
80°	1333	1230	1419
85°	1388	1463	1572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2355 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	4.1
10°-20°	601.5	11.9
20°-30°	900.3	17.8
30°-40°	1028.8	20.3
40°-50°	930.1	18.4
50°-60°	669.1	13.2
60°-70°	387.9	7.7
70°-80°	230.1	4.5
80°-90°	101.9	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°	1711.5	33.8
0°-40°	2740.2	54.2
0°-60°	4339.5	85.8
0°-90°	5059.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5059.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2211	2211	2211	2211	2211	
5°	2210	2207	2205	2202	2209	210
15°	2130	2133	2133	2131	2139	601
25°	1962	1960	1958	1954	1960	902
35°	1664	1656	1659	1639	1653	1037
45°	1238	1216	1204	1193	1182	951
55°	789	774	736	717	707	706
65°	437	388	336	376	411	441
75°	246	206	182	224	259	260
85°	90	97	95	109	102	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2210.8	2210.8	2210.8	2210.8	2210.8
2.5°	2217.2	2209.2	2213.2	2210.8	2209.9
5°	2209.9	2206.9	2205.2	2202.2	2209.2
7.5°	2195.8	2193.5	2194.2	2194.9	2199.8
10°	2181.6	2177.6	2178.5	2180.0	2182.3
12.5°	2159.6	2157.2	2157.9	2159.6	2165.0
15°	2129.6	2133.4	2133.4	2131.0	2139.0
17.5°	2099.4	2098.7	2102.7	2095.6	2106.6
20°	2057.7	2058.4	2057.7	2058.4	2065.5
22.5°	2010.2	2014.2	2011.9	2011.9	2019.8
25°	1962.2	1959.8	1958.2	1954.3	1959.8
27.5°	1904.6	1899.9	1895.9	1888.0	1892.0
30°	1831.1	1832.0	1821.7	1814.5	1813.1
32.5°	1749.1	1749.1	1739.6	1734.1	1738.8
35°	1663.9	1656.0	1659.0	1638.6	1652.7
37.5°	1571.5	1558.8	1551.8	1544.6	1549.4
40°	1465.6	1449.2	1438.9	1424.7	1432.6
42.5°	1354.4	1333.8	1321.2	1311.1	1314.1
45°	1237.6	1216.3	1203.6	1192.6	1181.6
47.5°	1114.4	1101.1	1094.8	1080.5	1067.9
50°	994.6	989.9	974.7	963.0	937.0
52.5°	884.8	880.8	857.1	837.5	804.2
55°	789.2	774.3	735.6	716.7	707.3
57.5°	692.3	667.7	621.1	618.8	625.1
60°	599.1	569.1	513.0	525.6	550.2
62.5°	514.6	469.6	416.0	446.0	475.1
65°	437.3	388.4	336.2	375.8	411.1
67.5°	373.4	324.5	270.7	323.6	364.7
70°	322.8	273.0	222.6	283.3	321.9
72.5°	281.0	236.0	194.1	251.7	292.0
75°	246.3	206.0	181.5	224.1	258.9
77.5°	211.4	179.1	173.7	199.7	221.0
80°	172.1	157.1	158.7	175.1	183.1
82.5°	128.7	129.5	133.4	146.8	143.7
85°	89.9	97.1	94.8	108.9	101.8
87.5°	49.7	54.5	51.3	62.3	56.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)