

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: P798206

Luminaire Tested: 22GRSCT3-A125-UNV-MID-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P292356)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22GRSCT3-A125-UNV-MID-4000K
Description: GRLED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

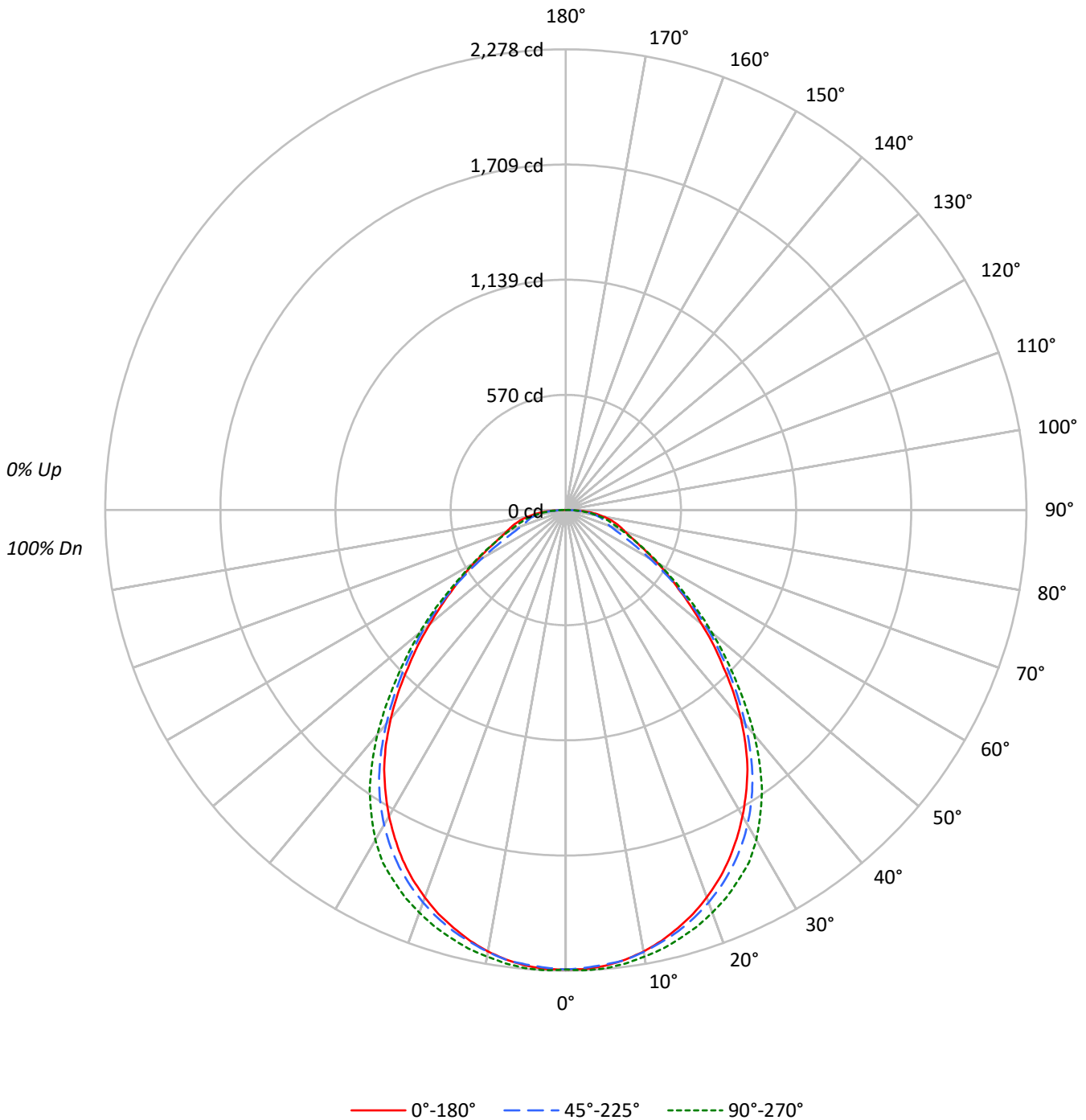
Lumens per Lamp: N/A
Luminaire Lumens: 4929.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 38
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	88	86	
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	76	74	
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	66	64	
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	58	56	
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	51	49	
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	46	44	
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	46	41	41	39	
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	37	36	
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	34	32	
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6114	6114	6114
5°	6109	6094	6144
10°	6057	6064	6127
15°	5962	6003	6105
20°	5838	5914	6066
25°	5667	5784	5995
30°	5432	5585	5853
35°	5146	5289	5557
40°	4731	4849	5090
45°	4203	4356	4513
50°	3671	3839	3955
55°	3192	3235	3354
60°	2808	2573	2864
65°	2495	2057	2510
70°	2450	1827	2315
75°	2676	2007	2365
80°	2938	2386	2528
85°	3511	2766	2837

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4513 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.7	4.4
10°-20°	608.9	12.4
20°-30°	899.0	18.2
30°-40°	1005.9	20.4
40°-50°	883.3	17.9
50°-60°	625.1	12.7
60°-70°	363.8	7.4
70°-80°	226.7	4.6
80°-90°	101.4	2.1
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°	1722.6	34.9
0°-40°	2728.6	55.4
0°-60°	4237.0	86.0
0°-90°	4929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2272	2272	2272	2272	2272	
5°	2262	2256	2256	2267	2274	214
15°	2140	2144	2155	2178	2192	603
25°	1909	1917	1948	1994	2019	877
35°	1566	1573	1610	1658	1692	974
45°	1104	1117	1145	1172	1186	854
55°	680	694	690	702	715	615
65°	392	361	323	352	394	398
75°	257	222	193	198	228	269
85°	114	118	90	87	92	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2272.1	2272.1	2272.1	2272.1	2272.1
2.5°	2272.1	2267.4	2265.0	2273.1	2277.8
5°	2261.7	2256.0	2256.0	2267.4	2274.4
7.5°	2243.2	2237.5	2244.5	2254.7	2261.7
10°	2216.7	2214.7	2219.1	2232.8	2242.2
12.5°	2182.5	2183.5	2188.2	2210.0	2221.4
15°	2139.9	2144.5	2154.7	2177.8	2191.5
17.5°	2093.9	2097.3	2113.4	2139.9	2159.3
20°	2038.8	2045.6	2065.1	2098.6	2118.1
22.5°	1977.8	1985.9	2010.0	2050.3	2074.4
25°	1908.7	1916.8	1948.0	1993.9	2019.1
27.5°	1830.8	1843.3	1877.8	1928.5	1962.8
30°	1748.0	1758.4	1797.3	1854.7	1883.6
32.5°	1659.4	1672.2	1708.8	1764.1	1789.3
35°	1566.5	1573.2	1610.1	1658.4	1691.6
37.5°	1460.8	1464.1	1498.7	1543.4	1573.2
40°	1346.8	1349.1	1380.3	1422.9	1449.1
42.5°	1228.6	1229.6	1262.9	1295.1	1318.2
45°	1104.5	1116.9	1144.7	1172.3	1186.0
47.5°	992.8	1002.2	1027.3	1051.5	1064.2
50°	877.0	899.8	917.0	929.7	944.8
52.5°	777.0	796.5	800.9	816.0	828.7
55°	680.4	694.2	689.5	702.2	714.9
57.5°	598.9	591.8	577.0	598.9	615.0
60°	521.7	503.3	478.1	508.0	532.1
62.5°	452.9	423.0	391.9	421.7	462.0
65°	391.9	361.0	323.1	351.6	394.2
67.5°	345.9	313.7	269.0	297.6	340.2
70°	311.4	278.1	232.2	256.3	294.2
72.5°	283.8	248.3	208.0	224.1	256.3
75°	257.4	221.8	193.0	197.6	227.5
77.5°	226.5	200.0	176.9	174.8	197.6
80°	189.6	181.5	154.0	150.6	163.1
82.5°	156.3	153.0	126.5	123.1	127.5
85°	113.7	118.4	89.6	87.3	91.9
87.5°	59.7	65.4	47.0	49.3	50.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)