

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P234124

Luminaire Tested: **22GR-LD5-50-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P234124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33297)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-50-A125-UNV-L950-CD1-U
Description: METALUX 2X2 GRLED TROFFER
WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4909.9 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

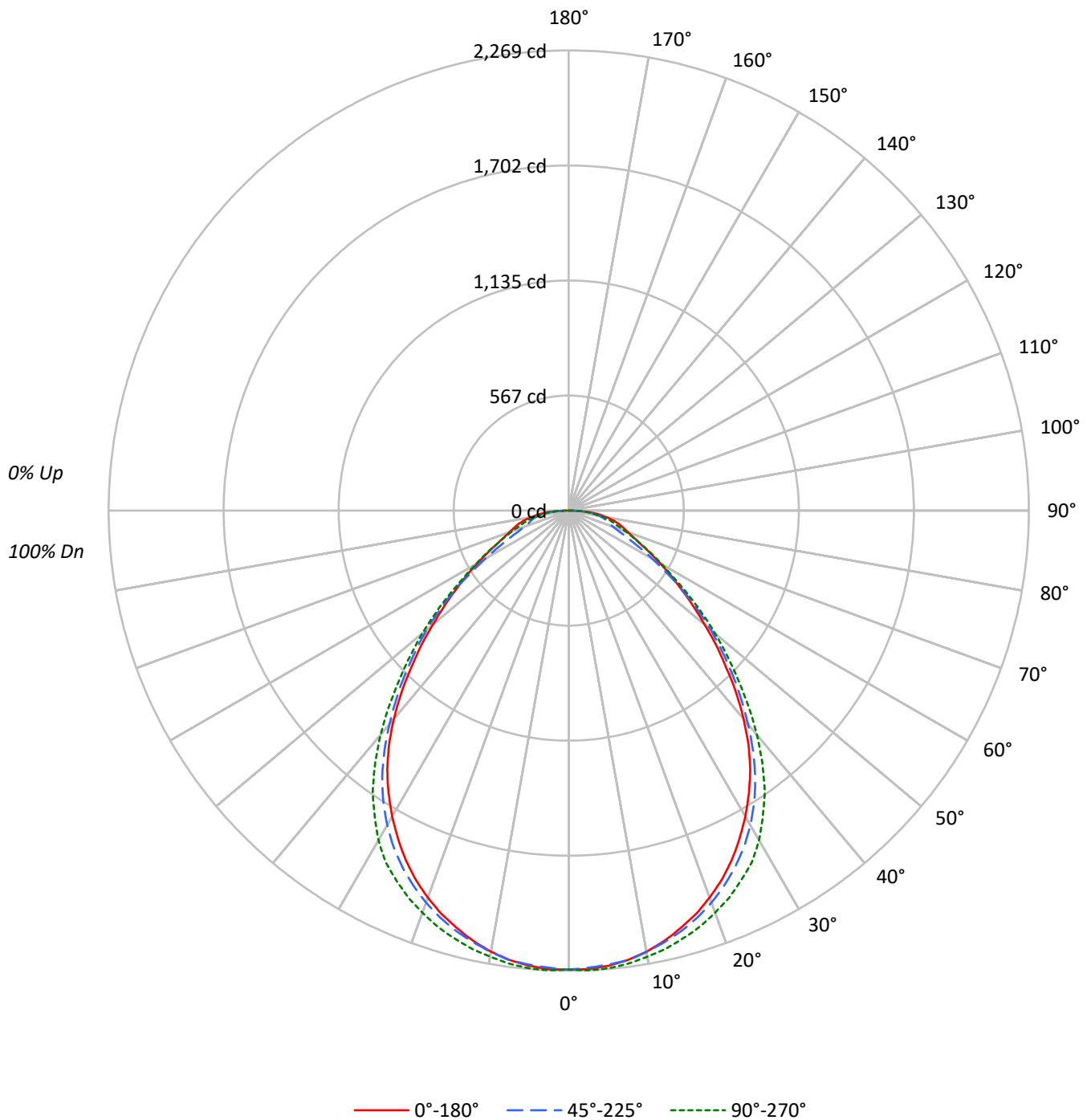
Input Watts (W): 40.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7248	7248	7248
5°	7242	7224	7283
10°	7181	7189	7263
15°	7067	7116	7238
20°	6921	7011	7190
25°	6719	6857	7107
30°	6439	6621	6938
35°	6100	6270	6588
40°	5609	5748	6035
45°	4982	5164	5351
50°	4352	4551	4688
55°	3784	3835	3976
60°	3329	3050	3395
65°	2958	2438	2976
70°	2905	2165	2743
75°	3173	2379	2805
80°	3484	2829	2997
85°	4163	3281	3362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	4.4
10°-20°	606.6	12.4
20°-30°	895.5	18.2
30°-40°	1002.0	20.4
40°-50°	880.0	17.9
50°-60°	622.6	12.7
60°-70°	362.4	7.4
70°-80°	225.8	4.6
80°-90°	101.0	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°	1716.0	34.9
0°-40°	2718.0	55.4
0°-60°	4220.6	86.0
0°-90°	4909.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4909.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2263	2263	2263	2263	2263	
5°	2253	2247	2247	2259	2266	214
15°	2132	2136	2146	2169	2183	601
25°	1901	1910	1940	1986	2011	873
35°	1560	1567	1604	1652	1685	970
45°	1100	1113	1140	1168	1182	851
55°	678	691	687	699	712	613
65°	390	359	322	350	393	396
75°	256	221	192	197	227	268
85°	113	118	89	87	92	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2263.3	2263.3	2263.3	2263.3	2263.3
2.5°	2263.3	2258.6	2256.3	2264.4	2268.9
5°	2252.9	2247.2	2247.2	2258.6	2265.5
7.5°	2234.6	2228.9	2235.8	2246.1	2252.9
10°	2208.3	2206.0	2210.6	2224.3	2233.5
12.5°	2173.9	2175.1	2179.6	2201.4	2212.8
15°	2131.6	2136.1	2146.4	2169.3	2183.1
17.5°	2085.8	2089.2	2105.3	2131.6	2151.1
20°	2030.8	2037.7	2057.1	2090.4	2109.8
22.5°	1970.2	1978.2	2002.2	2042.3	2066.3
25°	1901.4	1909.5	1940.4	1986.2	2011.4
27.5°	1823.6	1836.2	1870.6	1920.9	1955.3
30°	1741.2	1751.5	1790.4	1847.7	1876.3
32.5°	1653.0	1665.7	1702.2	1757.2	1782.4
35°	1560.3	1567.2	1603.9	1651.9	1685.1
37.5°	1455.0	1458.5	1492.8	1537.4	1567.2
40°	1341.7	1344.0	1374.9	1417.2	1443.5
42.5°	1223.8	1225.0	1258.1	1290.2	1313.0
45°	1100.1	1112.7	1140.2	1167.7	1181.5
47.5°	989.1	998.3	1023.4	1047.5	1060.1
50°	873.5	896.4	913.5	926.1	941.0
52.5°	773.9	793.3	797.9	812.8	825.4
55°	677.7	691.4	686.9	699.4	712.1
57.5°	596.4	589.6	574.7	596.4	612.4
60°	519.7	501.4	476.2	506.0	530.1
62.5°	451.1	421.2	390.4	420.1	460.2
65°	390.4	359.4	321.7	350.3	392.7
67.5°	344.6	312.5	267.9	296.5	338.9
70°	310.2	277.0	231.2	255.3	293.0
72.5°	282.7	247.2	207.2	223.2	255.3
75°	256.4	220.9	192.3	196.9	226.7
77.5°	225.5	199.2	176.3	174.0	196.9
80°	188.9	180.9	153.4	150.0	162.5
82.5°	155.7	152.2	125.9	122.5	127.0
85°	113.3	117.9	89.3	87.0	91.5
87.5°	59.5	65.2	47.0	49.2	50.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)