

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: P293896

Luminaire Tested: **24GR-LD5-64-A125-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P293896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33307)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24GR-LD5-64-A125-UNV-L92765-W2A1-U-5500K
Description: GRLED 2x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (336) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6018.0 lumens
Efficiency: N/A
Efficacy: 127.4 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

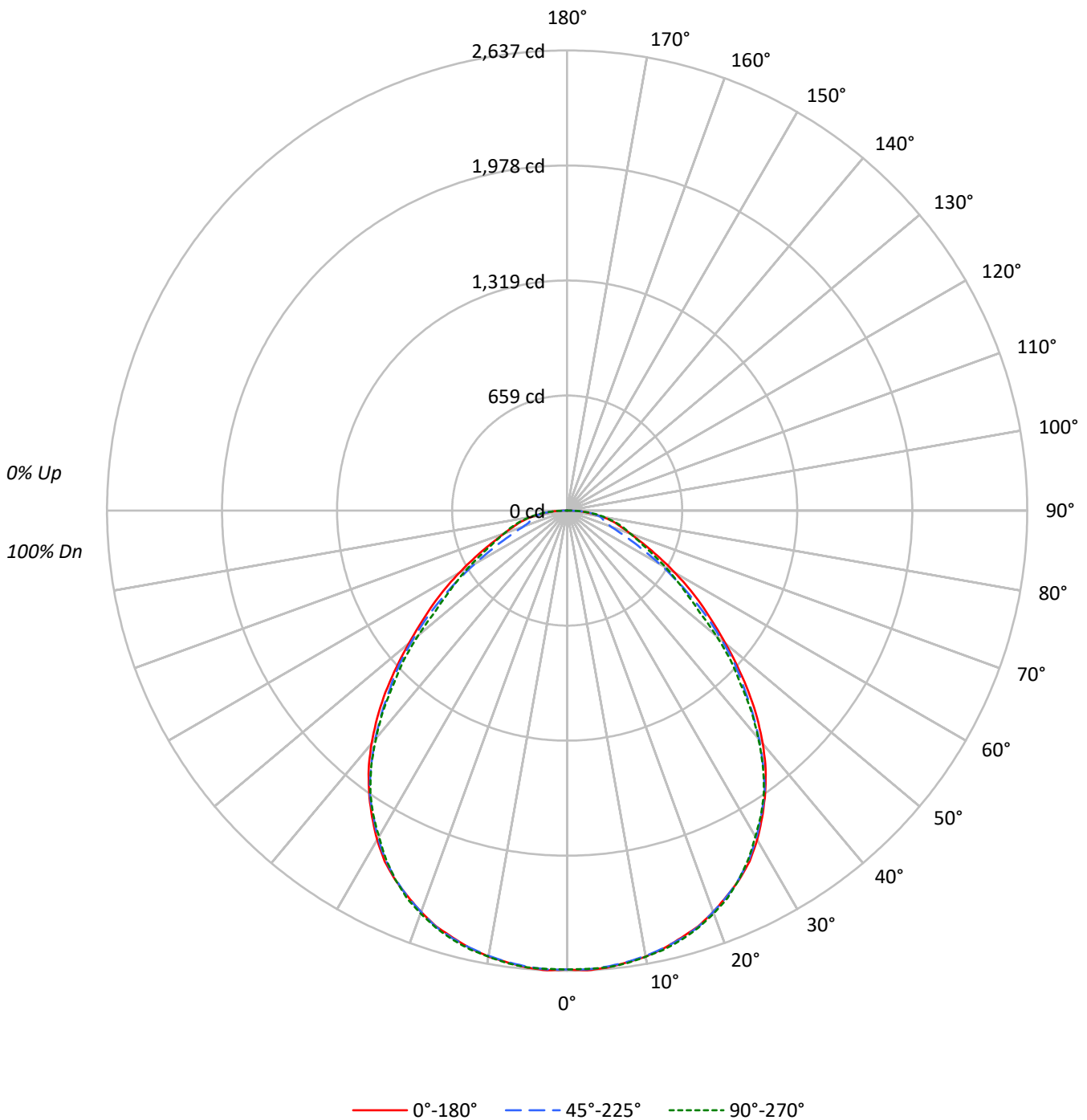
Input Watts (W): 47.244
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	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	100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	75	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3538	3538	3538
5°	3550	3543	3549
10°	3545	3540	3547
15°	3528	3535	3544
20°	3504	3504	3518
25°	3465	3458	3461
30°	3384	3366	3350
35°	3251	3241	3229
40°	3062	3006	2993
45°	2801	2724	2674
50°	2476	2427	2333
55°	2202	2053	1973
60°	1918	1642	1761
65°	1656	1273	1557
70°	1511	1041	1507
75°	1523	1122	1601
80°	1586	1462	1688
85°	1652	1740	1870



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.4	4.1
10°-20°	715.4	11.9
20°-30°	1070.9	17.8
30°-40°	1223.7	20.3
40°-50°	1106.3	18.4
50°-60°	795.9	13.2
60°-70°	461.4	7.7
70°-80°	273.7	4.5
80°-90°	121.2	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°	2035.7	33.8
0°-40°	3259.4	54.2
0°-60°	5161.6	85.8
0°-90°	6018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2630	2630	2630	2630	2630	
5°	2629	2625	2623	2619	2628	250
15°	2533	2538	2538	2535	2544	715
25°	2334	2331	2329	2324	2331	1073
35°	1979	1970	1973	1949	1966	1234
45°	1472	1447	1432	1419	1405	1131
55°	939	921	875	852	841	840
65°	520	462	400	447	489	525
75°	293	245	216	267	308	310
85°	107	116	113	130	121	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2629.7	2629.7	2629.7	2629.7	2629.7
2.5°	2637.2	2627.8	2632.5	2629.7	2628.7
5°	2628.7	2625.0	2623.1	2619.3	2627.8
7.5°	2611.8	2609.0	2609.9	2610.9	2616.5
10°	2594.9	2590.2	2591.2	2593.0	2595.9
12.5°	2568.6	2565.8	2566.8	2568.6	2575.2
15°	2533.0	2537.7	2537.7	2534.8	2544.2
17.5°	2497.3	2496.3	2501.0	2492.6	2505.7
20°	2447.5	2448.5	2447.5	2448.5	2456.9
22.5°	2391.2	2395.9	2393.1	2393.1	2402.5
25°	2333.9	2331.1	2329.2	2324.5	2331.1
27.5°	2265.4	2259.8	2255.1	2245.7	2250.4
30°	2178.1	2179.0	2166.8	2158.4	2156.5
32.5°	2080.4	2080.4	2069.2	2062.6	2068.2
35°	1979.0	1969.7	1973.4	1949.0	1965.9
37.5°	1869.2	1854.2	1845.7	1837.3	1842.9
40°	1743.4	1723.7	1711.5	1694.6	1704.0
42.5°	1611.0	1586.6	1571.6	1559.4	1563.1
45°	1472.1	1446.7	1431.7	1418.6	1405.4
47.5°	1325.6	1309.7	1302.2	1285.3	1270.2
50°	1182.9	1177.3	1159.5	1145.4	1114.4
52.5°	1052.4	1047.7	1019.6	996.1	956.7
55°	938.8	921.0	875.0	852.5	841.2
57.5°	823.4	794.2	738.9	736.0	743.6
60°	712.6	676.9	610.2	625.3	654.4
62.5°	612.1	558.6	494.8	530.4	565.2
65°	520.1	461.9	399.9	446.9	489.1
67.5°	444.1	385.9	322.0	384.9	433.7
70°	384.0	324.8	264.7	337.0	383.0
72.5°	334.2	280.7	231.0	299.5	347.4
75°	292.9	245.0	215.9	266.6	307.9
77.5°	251.6	213.1	206.5	237.5	262.9
80°	204.7	186.8	188.7	208.4	217.8
82.5°	153.0	154.0	158.7	174.6	170.9
85°	107.0	115.5	112.7	129.6	121.1
87.5°	59.1	64.8	61.0	74.2	66.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)