

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: P293715

Luminaire Tested: **24GR-LD5-30-A125-UNV-L82765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P293715
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-LD5-30-A125-UNV-L82765-W2A1-U-5000K
Description: GRLED 2x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (336) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3144.0 lumens
Efficiency: N/A
Efficacy: 153.7 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

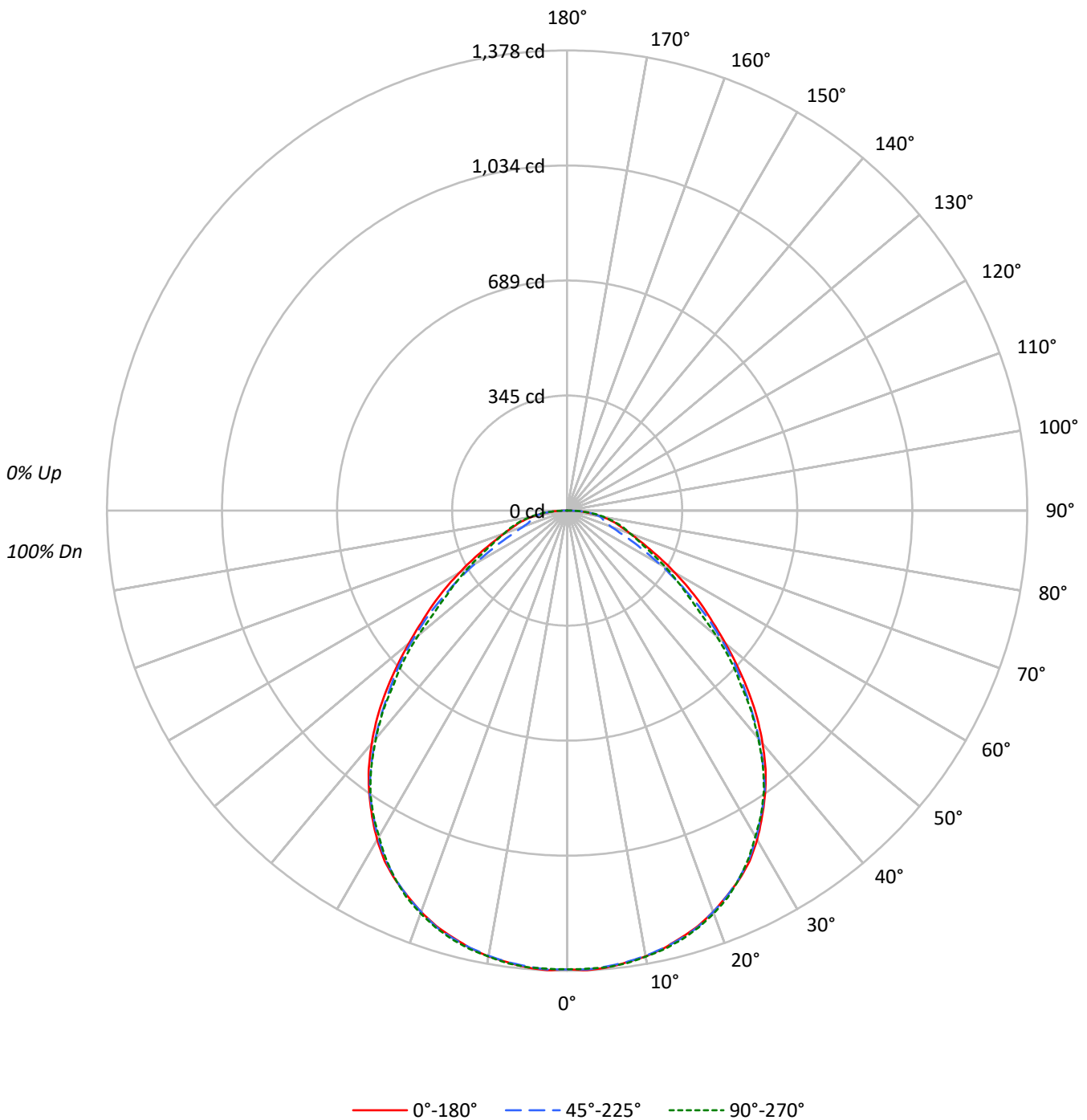
Input Watts (W): 20.46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1848	1848	1848
5°	1855	1851	1854
10°	1852	1849	1853
15°	1843	1847	1852
20°	1831	1831	1838
25°	1810	1807	1808
30°	1768	1759	1750
35°	1698	1693	1687
40°	1600	1570	1564
45°	1463	1423	1397
50°	1294	1268	1219
55°	1151	1072	1031
60°	1002	858	920
65°	865	665	813
70°	789	544	787
75°	795	586	836
80°	828	764	882
85°	863	909	977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	4.1
10°-20°	373.8	11.9
20°-30°	559.5	17.8
30°-40°	639.3	20.3
40°-50°	578.0	18.4
50°-60°	415.8	13.2
60°-70°	241.1	7.7
70°-80°	143.0	4.5
80°-90°	63.3	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°	1063.5	33.8
0°-40°	1702.8	54.2
0°-60°	2696.6	85.8
0°-90°	3144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1373	1371	1370	1368	1373	130
15°	1323	1326	1326	1324	1329	374
25°	1219	1218	1217	1214	1218	561
35°	1034	1029	1031	1018	1027	645
45°	769	756	748	741	734	591
55°	490	481	457	445	440	439
65°	272	241	209	234	256	274
75°	153	128	113	139	161	162
85°	56	60	59	68	63	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1373.8	1373.8	1373.8	1373.8	1373.8
2.5°	1377.7	1372.8	1375.3	1373.8	1373.3
5°	1373.3	1371.4	1370.4	1368.4	1372.8
7.5°	1364.5	1363.0	1363.5	1364.0	1367.0
10°	1355.7	1353.2	1353.7	1354.7	1356.2
12.5°	1341.9	1340.5	1341.0	1341.9	1345.4
15°	1323.3	1325.8	1325.8	1324.3	1329.2
17.5°	1304.7	1304.2	1306.6	1302.2	1309.1
20°	1278.7	1279.2	1278.7	1279.2	1283.6
22.5°	1249.2	1251.7	1250.2	1250.2	1255.1
25°	1219.3	1217.8	1216.9	1214.4	1217.8
27.5°	1183.5	1180.6	1178.1	1173.2	1175.7
30°	1137.9	1138.4	1132.0	1127.6	1126.6
32.5°	1086.9	1086.9	1081.0	1077.6	1080.5
35°	1033.9	1029.0	1031.0	1018.2	1027.1
37.5°	976.5	968.7	964.3	959.9	962.8
40°	910.8	900.5	894.1	885.3	890.2
42.5°	841.7	828.9	821.1	814.7	816.6
45°	769.1	755.8	748.0	741.1	734.2
47.5°	692.5	684.2	680.3	671.5	663.6
50°	618.0	615.1	605.7	598.4	582.2
52.5°	549.8	547.4	532.7	520.4	499.8
55°	490.5	481.2	457.1	445.4	439.5
57.5°	430.1	414.9	386.0	384.5	388.5
60°	372.3	353.6	318.8	326.7	341.9
62.5°	319.8	291.8	258.5	277.1	295.3
65°	271.7	241.3	208.9	233.5	255.5
67.5°	232.0	201.6	168.2	201.1	226.6
70°	200.6	169.7	138.3	176.1	200.1
72.5°	174.6	146.7	120.7	156.5	181.5
75°	153.0	128.0	112.8	139.3	160.9
77.5°	131.4	111.3	107.9	124.1	137.3
80°	106.9	97.6	98.6	108.9	113.8
82.5°	79.9	80.4	82.9	91.2	89.3
85°	55.9	60.3	58.9	67.7	63.3
87.5°	30.9	33.8	31.9	38.7	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)