

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: P291295

Luminaire Tested: **14GR-LD5-24-A125-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P291295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33315)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14GR-LD5-24-A125-UNV-L92765-W2A1-U-6500K
Description: GRLED 1x4 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2317.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

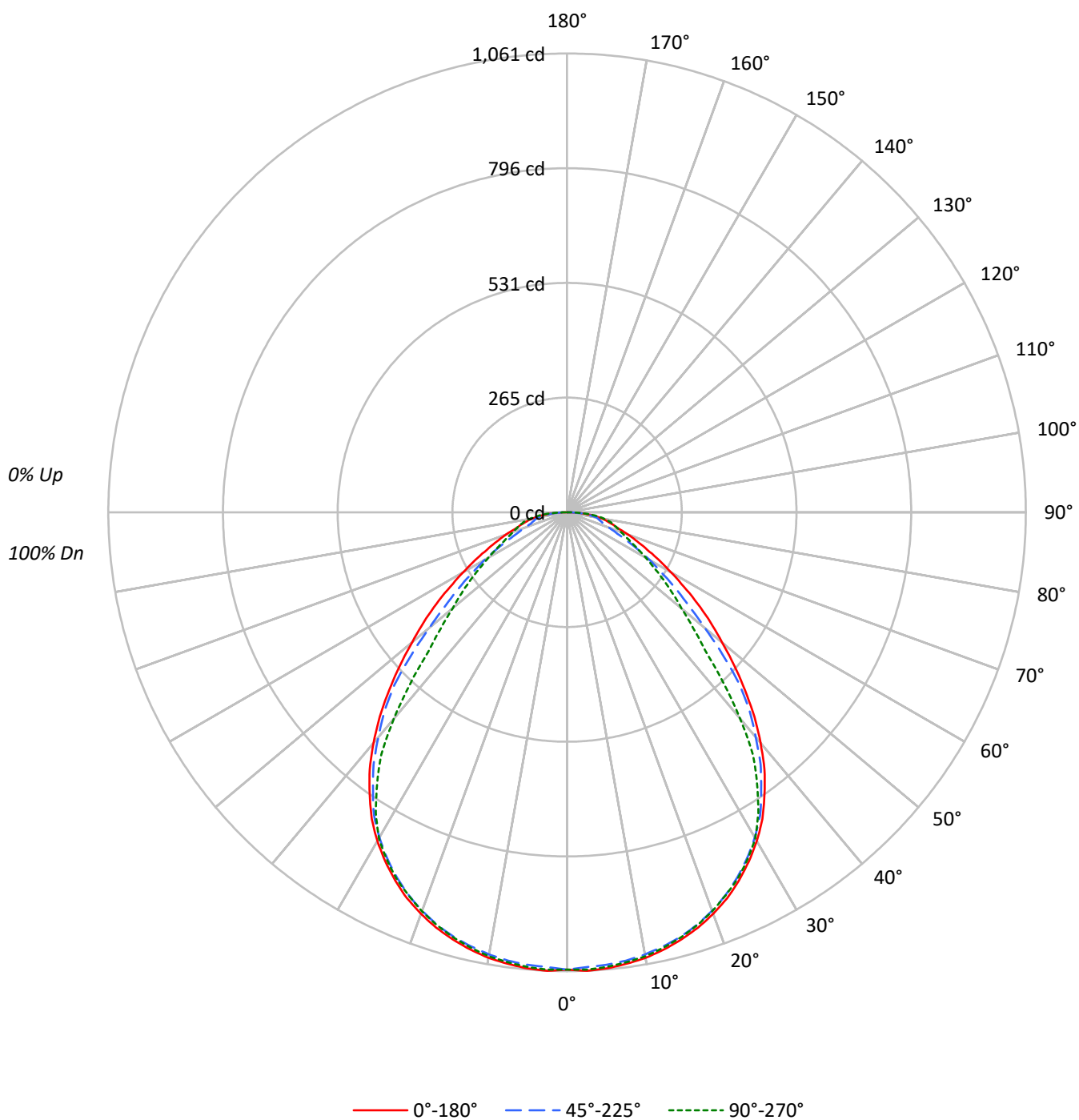
Input Watts (W): 19.065
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92
2	101	94	88	82	99	92	86	82	88	84	80		85	81	78		82
3	93	84	76	70	91	82	75	70	79	73	69		77	72	67		74
4	86	75	67	61	84	74	66	61	71	65	60		69	64	59		67
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		61
6	74	62	54	48	72	61	53	47	59	52	47		58	51	47		56
7	69	56	48	43	67	56	48	42	54	47	42		53	47	42		52
8	65	52	44	38	63	51	44	38	50	43	38		49	42	38		48
9	60	48	40	35	59	47	40	35	46	39	35		45	39	34		44
10	57	44	37	32	56	44	37	32	43	36	32		42	36	32		41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2845	2845	2845
5°	2859	2837	2850
10°	2858	2836	2848
15°	2848	2830	2835
20°	2829	2808	2811
25°	2791	2766	2774
30°	2728	2697	2704
35°	2615	2571	2516
40°	2445	2385	2188
45°	2213	2150	1716
50°	1958	1739	1447
55°	1733	1430	1276
60°	1496	1183	1131
65°	1301	941	1040
70°	1175	808	1040
75°	1129	844	1162
80°	1258	1074	1358
85°	1328	1145	1627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	4.3
10°-20°	287.4	12.4
20°-30°	430.1	18.6
30°-40°	486.9	21.0
40°-50°	414.7	17.9
50°-60°	280.8	12.1
60°-70°	167.7	7.2
70°-80°	104.7	4.5
80°-90°	44.3	1.9
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°	817.8	35.3
0°-40°	1304.8	56.3
0°-60°	2000.3	86.3
0°-90°	2317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1057	1057	1057	1057	1057	
5°	1058	1056	1050	1057	1055	101
15°	1022	1019	1016	1022	1018	288
25°	940	938	932	936	934	432
35°	796	791	783	775	766	496
45°	582	583	565	482	451	449
55°	369	349	305	272	272	330
65°	204	170	148	158	163	206
75°	109	97	81	106	112	117
85°	43	40	37	47	53	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.3	1057.3	1057.3	1057.3	1057.3
2.5°	1061.1	1058.4	1052.5	1059.5	1058.4
5°	1058.4	1055.7	1050.3	1056.8	1055.2
7.5°	1053.0	1050.3	1045.5	1051.9	1049.3
10°	1046.0	1042.8	1038.0	1045.0	1042.3
12.5°	1035.3	1032.1	1027.8	1034.7	1031.0
15°	1022.4	1018.6	1015.9	1022.4	1017.5
17.5°	1006.8	1003.6	999.8	1006.3	1000.9
20°	988.0	985.3	980.5	984.2	981.5
22.5°	966.5	962.7	957.9	962.2	958.4
25°	940.1	937.5	931.5	935.8	934.2
27.5°	910.0	908.4	901.4	906.8	904.1
30°	877.8	873.5	868.1	869.7	870.3
32.5°	840.7	835.3	831.0	827.3	823.5
35°	796.1	791.2	782.6	774.6	766.0
37.5°	749.9	743.4	734.8	717.1	706.3
40°	696.1	692.9	678.9	654.2	623.0
42.5°	641.3	638.0	625.7	570.3	536.5
45°	581.6	583.2	564.9	481.6	451.0
47.5°	524.6	528.9	489.2	411.2	395.1
50°	467.7	472.5	415.5	355.3	345.6
52.5°	417.7	413.9	354.2	311.8	307.5
55°	369.3	348.9	304.8	272.0	272.0
57.5°	319.8	290.8	259.1	238.1	238.1
60°	277.9	241.9	219.8	205.9	210.2
62.5°	239.2	201.0	182.2	179.5	184.9
65°	204.3	170.4	147.8	158.0	163.4
67.5°	175.8	145.7	121.5	143.0	146.2
70°	149.4	126.9	102.7	131.7	132.2
72.5°	125.2	111.8	88.2	119.3	121.5
75°	108.6	97.3	81.2	106.4	111.8
77.5°	95.1	83.3	74.7	91.9	102.1
80°	81.2	68.3	69.3	77.4	87.6
82.5°	62.4	52.7	54.8	63.4	71.5
85°	43.0	39.8	37.1	46.8	52.7
87.5°	23.1	21.5	18.8	26.3	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)