

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: P292469

Luminaire Tested: **22GR-LD5-24-A125-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33297)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-24-A125-UNV-L92765-W2A1-U-5500K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 122.5 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

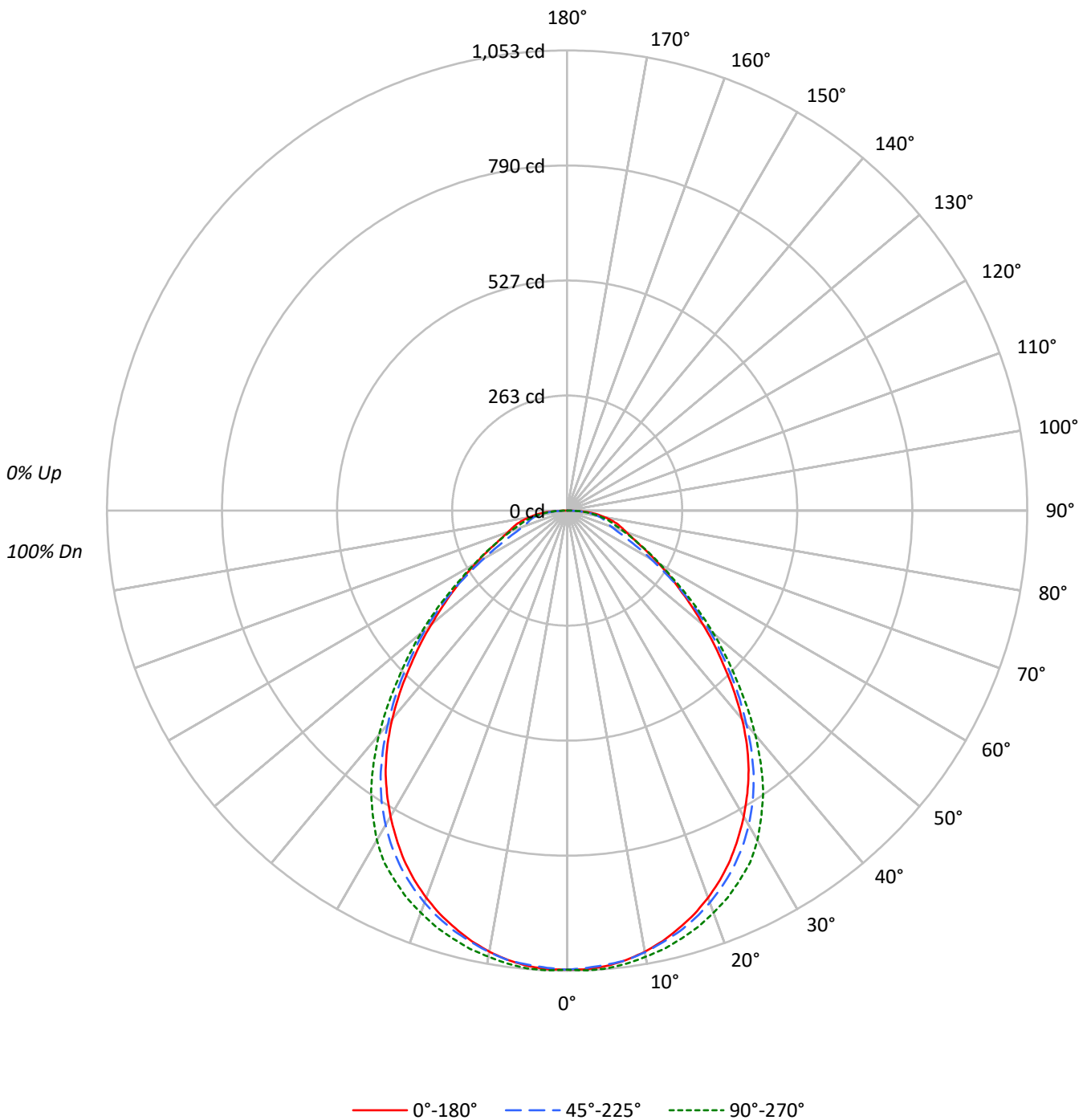
Input Watts (W): 18.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2827	2827	2827
5°	2825	2818	2841
10°	2801	2804	2833
15°	2756	2776	2823
20°	2699	2735	2804
25°	2621	2674	2772
30°	2511	2582	2706
35°	2379	2445	2570
40°	2188	2242	2354
45°	1943	2014	2087
50°	1697	1775	1829
55°	1476	1496	1551
60°	1298	1189	1324
65°	1154	951	1161
70°	1133	844	1070
75°	1237	928	1094
80°	1359	1103	1170
85°	1624	1278	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	4.4
10°-20°	281.6	12.4
20°-30°	415.7	18.2
30°-40°	465.1	20.4
40°-50°	408.4	17.9
50°-60°	289.0	12.7
60°-70°	168.2	7.4
70°-80°	104.8	4.6
80°-90°	46.9	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°	796.5	34.9
0°-40°	1261.6	55.4
0°-60°	1959.0	86.0
0°-90°	2279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1050	1050	1050	1050	1050	
5°	1046	1043	1043	1048	1052	99
15°	989	992	996	1007	1013	279
25°	883	886	901	922	934	405
35°	724	727	744	767	782	450
45°	511	516	529	542	548	395
55°	315	321	319	325	330	284
65°	181	167	149	163	182	184
75°	119	103	89	91	105	124
85°	53	55	41	40	42	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1050.5	1048.4	1047.3	1051.0	1053.2
5°	1045.7	1043.1	1043.1	1048.4	1051.6
7.5°	1037.2	1034.6	1037.8	1042.5	1045.7
10°	1025.0	1023.9	1026.1	1032.4	1036.7
12.5°	1009.1	1009.6	1011.7	1021.8	1027.1
15°	989.4	991.5	996.3	1006.9	1013.3
17.5°	968.1	969.7	977.2	989.4	998.4
20°	942.6	945.8	954.9	970.3	979.3
22.5°	914.5	918.2	929.4	948.0	959.1
25°	882.6	886.3	900.7	921.9	933.6
27.5°	846.5	852.3	868.2	891.6	907.6
30°	808.2	813.0	831.1	857.6	870.9
32.5°	767.3	773.1	790.1	815.6	827.3
35°	724.2	727.4	744.4	766.8	782.2
37.5°	675.4	677.0	692.9	713.6	727.4
40°	622.8	623.8	638.2	657.8	670.0
42.5°	568.0	568.6	584.0	598.8	609.5
45°	510.6	516.5	529.2	542.0	548.4
47.5°	459.1	463.3	475.0	486.2	492.0
50°	405.4	416.1	424.0	429.9	436.8
52.5°	359.2	368.2	370.4	377.3	383.1
55°	314.6	320.9	318.8	324.7	330.5
57.5°	276.8	273.7	266.7	276.8	284.3
60°	241.2	232.7	221.0	234.9	246.0
62.5°	209.4	195.5	181.2	195.0	213.6
65°	181.2	166.8	149.3	162.6	182.3
67.5°	159.9	145.1	124.3	137.6	157.3
70°	144.0	128.6	107.3	118.5	136.0
72.5°	131.2	114.8	96.2	103.6	118.5
75°	119.0	102.6	89.3	91.4	105.2
77.5°	104.7	92.5	81.8	80.8	91.4
80°	87.7	84.0	71.2	69.6	75.5
82.5°	72.3	70.7	58.5	56.9	59.0
85°	52.6	54.7	41.4	40.4	42.5
87.5°	27.6	30.3	21.8	22.8	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)