

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: P292464

Luminaire Tested: **22GR-LD5-24-A125-UNV-L92765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P292464
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-3000K
Description: GRLED 2x2 TUNABLE WHITE TROFFER
WITH A125 LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1979.0 lumens
Efficiency: N/A
Efficacy: 110.3 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

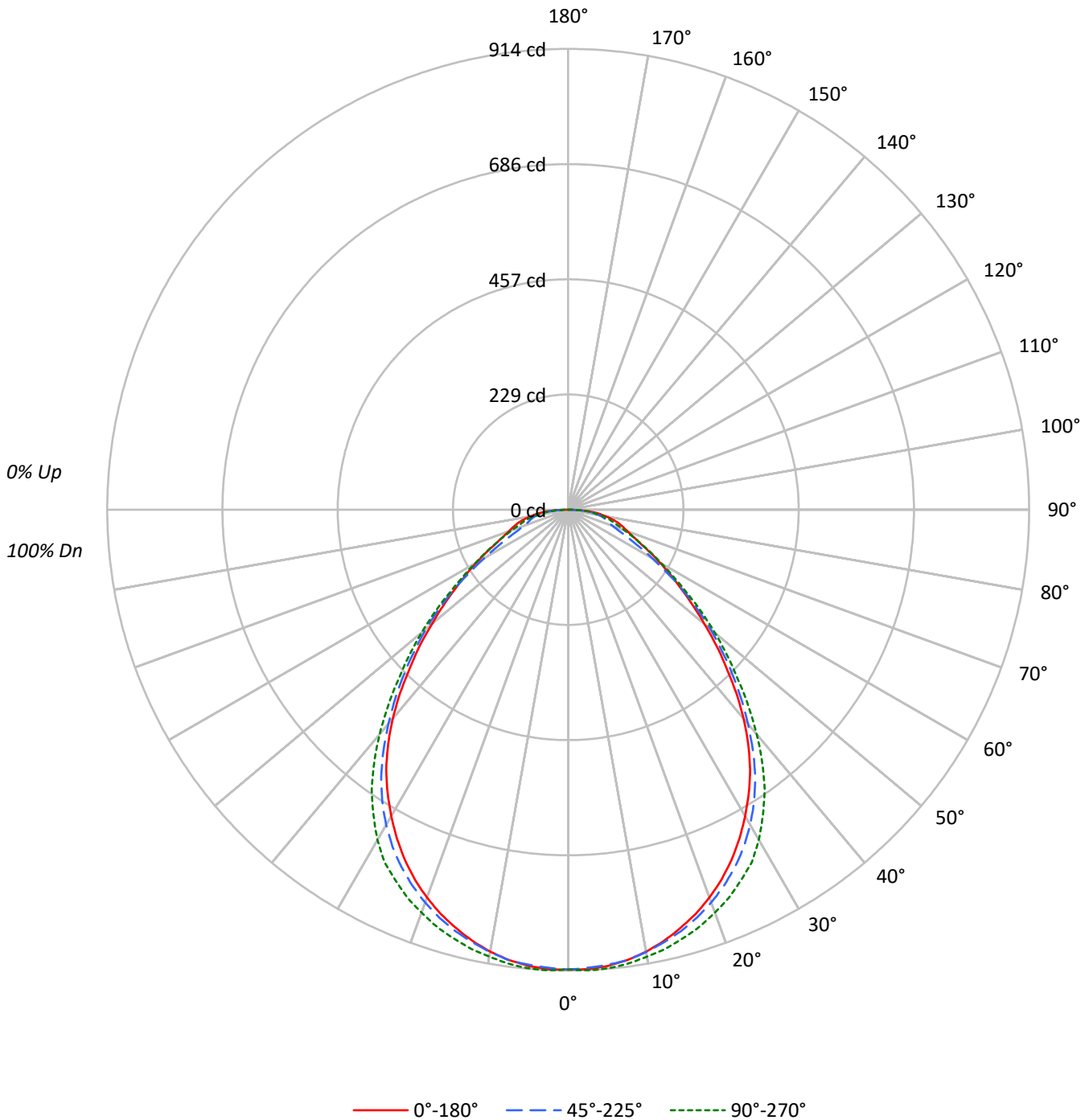
Input Watts (W): 17.949
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2455	2455	2455
5°	2453	2447	2467
10°	2432	2435	2460
15°	2394	2410	2451
20°	2344	2375	2435
25°	2276	2322	2407
30°	2181	2243	2350
35°	2066	2123	2231
40°	1900	1947	2044
45°	1687	1749	1812
50°	1474	1541	1588
55°	1282	1299	1346
60°	1128	1033	1150
65°	1002	826	1008
70°	983	733	929
75°	1075	806	950
80°	1179	958	1015
85°	1411	1112	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	4.4
10°-20°	244.5	12.4
20°-30°	360.9	18.2
30°-40°	403.9	20.4
40°-50°	354.7	17.9
50°-60°	251.0	12.7
60°-70°	146.1	7.4
70°-80°	91.0	4.6
80°-90°	40.7	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°	691.6	34.9
0°-40°	1095.5	55.4
0°-60°	1701.2	86.0
0°-90°	1979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	912	912	912	912	912	
5°	908	906	906	910	913	86
15°	859	861	865	874	880	242
25°	766	770	782	801	811	352
35°	629	632	646	666	679	391
45°	443	448	460	471	476	343
55°	273	279	277	282	287	247
65°	157	145	130	141	158	160
75°	103	89	78	79	91	108
85°	46	48	36	35	37	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	912.2	912.2	912.2	912.2	912.2
2.5°	912.2	910.4	909.5	912.7	914.5
5°	908.1	905.8	905.8	910.4	913.1
7.5°	900.7	898.4	901.1	905.3	908.1
10°	890.1	889.2	891.0	896.5	900.2
12.5°	876.2	876.7	878.5	887.3	891.9
15°	859.2	861.0	865.2	874.4	879.9
17.5°	840.7	842.1	848.5	859.2	867.0
20°	818.6	821.3	829.2	842.5	850.4
22.5°	794.1	797.3	807.0	823.2	832.9
25°	766.4	769.6	782.1	800.6	810.7
27.5°	735.0	740.1	754.0	774.3	788.1
30°	701.8	706.0	721.7	744.7	756.3
32.5°	666.3	671.4	686.1	708.3	718.4
35°	628.9	631.7	646.4	665.8	679.2
37.5°	586.5	587.8	601.7	619.7	631.7
40°	540.8	541.7	554.2	571.2	581.8
42.5°	493.3	493.7	507.1	520.0	529.2
45°	443.4	448.5	459.6	470.6	476.2
47.5°	398.7	402.4	412.5	422.2	427.3
50°	352.1	361.3	368.2	373.3	379.3
52.5°	311.9	319.8	321.6	327.6	332.7
55°	273.2	278.7	276.9	281.9	287.0
57.5°	240.4	237.6	231.6	240.4	246.9
60°	209.5	202.1	191.9	203.9	213.6
62.5°	181.8	169.8	157.3	169.3	185.5
65°	157.3	144.9	129.7	141.2	158.3
67.5°	138.9	126.0	108.0	119.5	136.6
70°	125.0	111.7	93.2	102.9	118.1
72.5°	114.0	99.7	83.5	90.0	102.9
75°	103.4	89.1	77.5	79.4	91.4
77.5°	90.9	80.3	71.1	70.1	79.4
80°	76.1	72.9	61.8	60.4	65.5
82.5°	62.8	61.4	50.8	49.4	51.2
85°	45.7	47.5	36.0	35.1	36.9
87.5°	24.0	26.3	18.9	19.8	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)