

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: P225733

Luminaire Tested: **22GR-LD5-20-A125-UNV-L950-CD1-U**

Issue Date: 3/12/2020

Test Information

Test Method: LM-79-08
Report Number: P225733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33297)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22GR-LD5-20-A125-UNV-L950-CD1-U
Description: METALUX GR 2X2 LED TROFFER WITH A125 LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1904.6 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.22 / 1.24
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

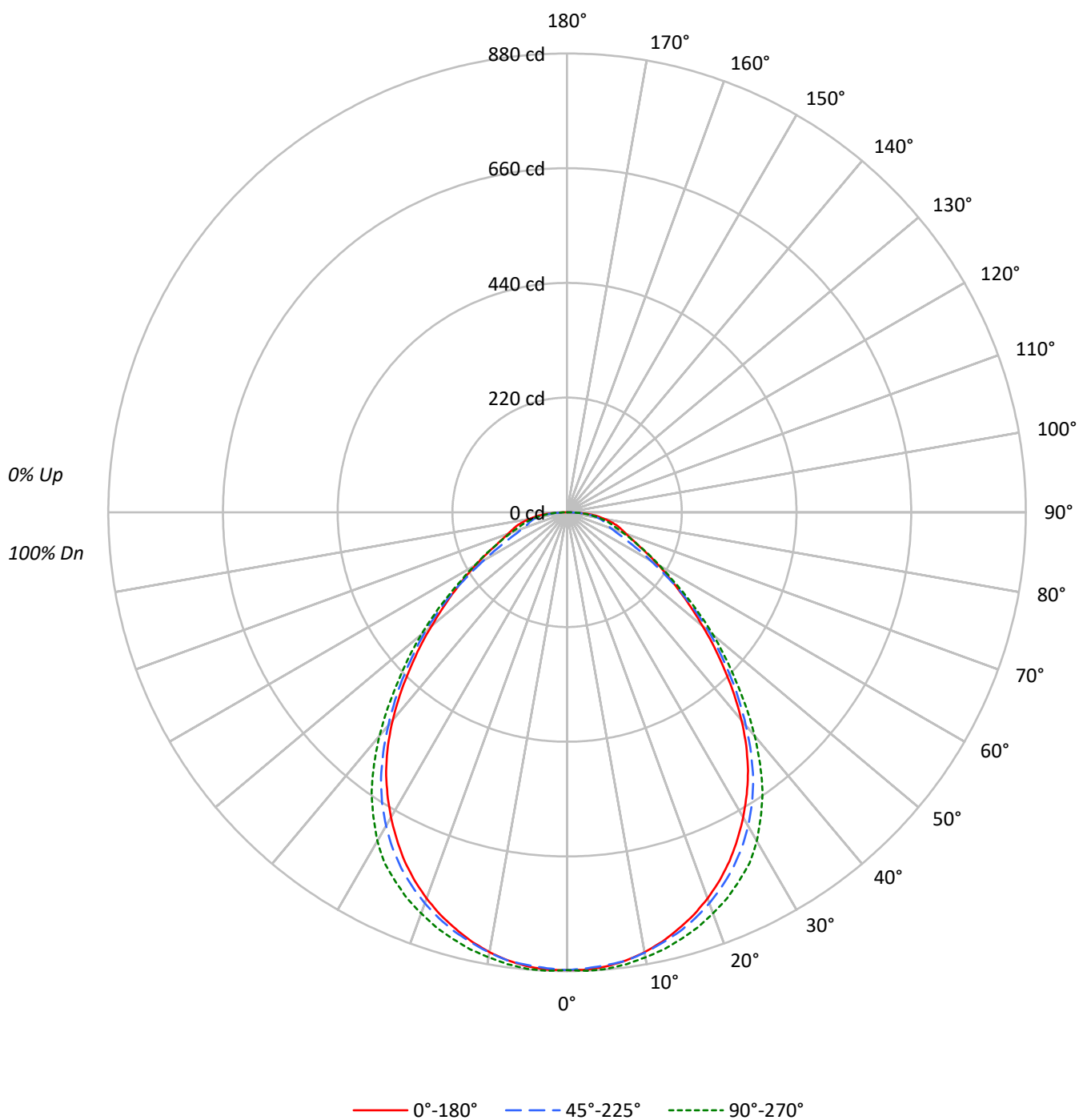
Input Watts (W): 16.13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
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°	2812	2812	2812
5°	2810	2802	2825
10°	2786	2788	2817
15°	2741	2760	2808
20°	2685	2720	2789
25°	2606	2660	2757
30°	2498	2568	2691
35°	2366	2433	2556
40°	2176	2230	2341
45°	1933	2003	2076
50°	1688	1766	1818
55°	1468	1487	1542
60°	1292	1183	1317
65°	1147	946	1154
70°	1126	840	1065
75°	1231	923	1088
80°	1352	1097	1164
85°	1617	1275	1304



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	4.4
10°-20°	235.3	12.4
20°-30°	347.4	18.2
30°-40°	388.7	20.4
40°-50°	341.3	17.9
50°-60°	241.5	12.7
60°-70°	140.6	7.4
70°-80°	87.6	4.6
80°-90°	39.2	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°	665.6	34.9
0°-40°	1054.3	55.4
0°-60°	1637.2	86.0
0°-90°	1904.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	874	872	872	876	879	83
15°	827	829	833	842	847	233
25°	738	741	753	770	780	339
35°	605	608	622	641	654	376
45°	427	432	442	453	458	330
55°	263	268	266	271	276	238
65°	151	139	125	136	152	154
75°	100	86	75	76	88	104
85°	44	46	35	34	36	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.0	878.0	878.0	878.0	878.0
2.5°	878.0	876.1	875.2	878.4	880.2
5°	874.0	871.7	871.7	876.1	878.8
7.5°	866.9	864.6	867.3	871.2	874.0
10°	856.6	855.8	857.5	862.9	866.4
12.5°	843.3	843.8	845.5	853.9	858.4
15°	826.8	828.6	832.6	841.6	846.8
17.5°	809.1	810.4	816.6	826.8	834.4
20°	787.8	790.4	798.0	810.9	818.5
22.5°	764.2	767.4	776.7	792.2	801.5
25°	737.6	740.7	752.8	770.5	780.2
27.5°	707.4	712.3	725.6	745.2	758.5
30°	675.4	679.4	694.5	716.7	727.8
32.5°	641.3	646.1	660.4	681.7	691.4
35°	605.2	608.0	622.2	640.8	653.7
37.5°	564.4	565.7	579.0	596.4	608.0
40°	520.4	521.3	533.4	549.7	560.0
42.5°	474.7	475.2	488.0	500.5	509.3
45°	426.8	431.6	442.3	453.0	458.3
47.5°	383.7	387.2	397.0	406.3	411.2
50°	338.8	347.7	354.4	359.3	365.0
52.5°	300.2	307.8	309.5	315.3	320.1
55°	262.9	268.2	266.4	271.4	276.2
57.5°	231.3	228.7	223.0	231.3	237.6
60°	201.7	194.5	184.7	196.3	205.6
62.5°	175.0	163.4	151.4	163.0	178.5
65°	151.4	139.4	124.8	135.9	152.3
67.5°	133.7	121.2	103.9	115.0	131.4
70°	120.3	107.5	89.7	99.0	113.7
72.5°	109.7	95.9	80.4	86.6	99.0
75°	99.5	85.7	74.6	76.3	87.9
77.5°	87.5	77.3	68.4	67.5	76.3
80°	73.3	70.2	59.5	58.1	63.1
82.5°	60.4	59.1	48.9	47.5	49.3
85°	44.0	45.8	34.7	33.8	35.5
87.5°	23.1	25.3	18.2	19.1	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)