

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: P412367

Luminaire Tested: **22PD-25-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PB1-L930
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

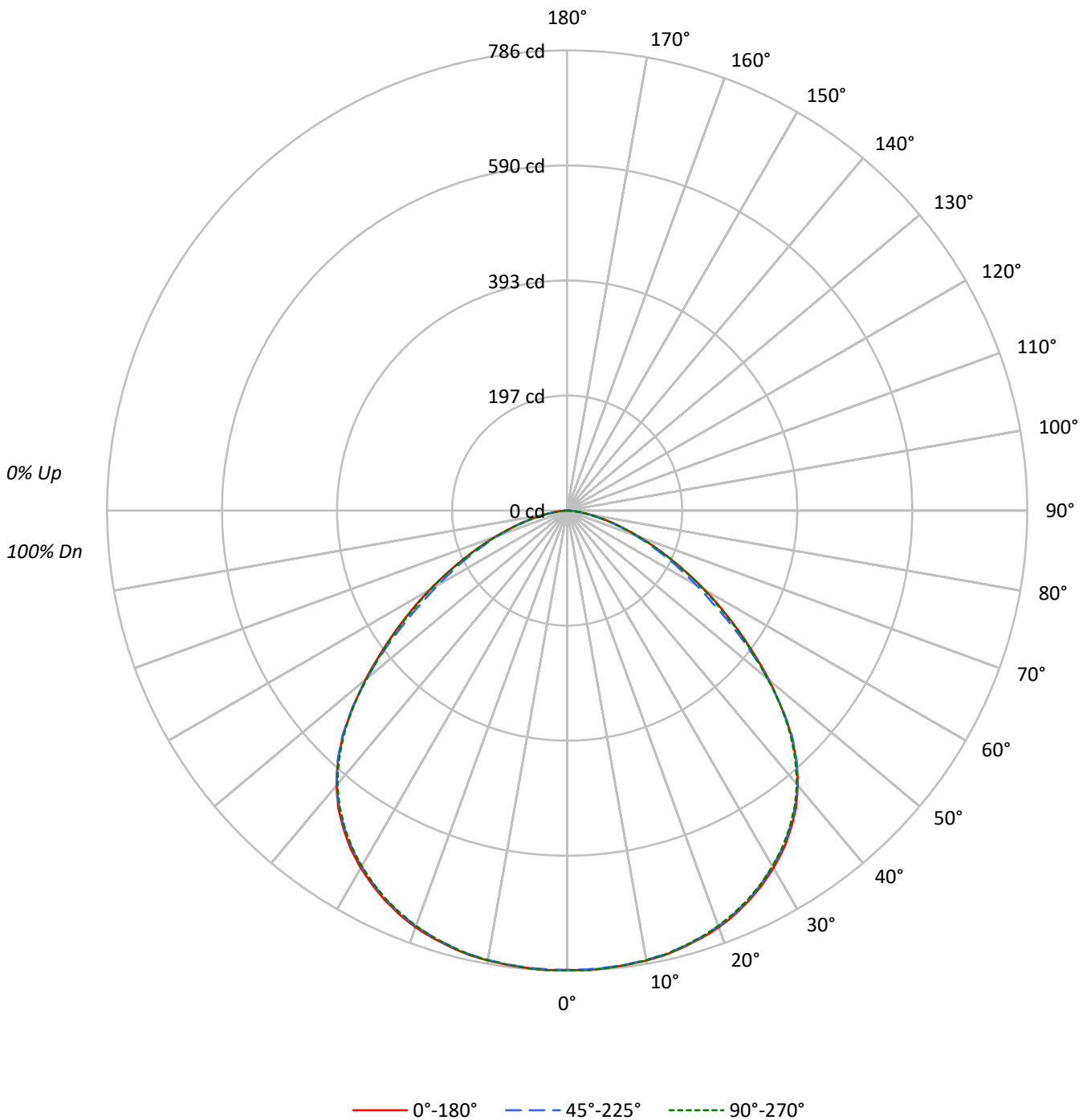
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2060.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2112	2112	2112
5°	2118	2116	2119
10°	2132	2129	2131
15°	2150	2146	2146
20°	2169	2163	2162
25°	2183	2176	2174
30°	2190	2181	2179
35°	2186	2179	2175
40°	2153	2150	2144
45°	2058	2065	2049
50°	1884	1874	1872
55°	1674	1615	1663
60°	1460	1371	1451
65°	1237	1171	1231
70°	1023	981	1013
75°	828	775	794
80°	598	580	575
85°	389	389	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	3.6
10°-20°	217.7	10.6
20°-30°	337.9	16.4
30°-40°	414.3	20.1
40°-50°	414.2	20.1
50°-60°	313.8	15.2
60°-70°	188.2	9.1
70°-80°	82.9	4.0
80°-90°	16.4	0.8
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°	630.3	30.6
0°-40°	1044.6	50.7
0°-60°	1772.6	86.0
0°-90°	2060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	784	783	783	783	784	75
15°	772	771	770	770	770	218
25°	735	734	733	732	732	339
35°	665	665	663	663	662	415
45°	541	542	542	541	538	414
55°	357	349	344	349	354	320
65°	194	188	184	187	193	194
75°	80	78	74	76	76	85
85°	13	13	13	12	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.7	784.7	784.7	784.7	784.7
2.5°	785.4	784.2	784.4	784.4	785.9
5°	784.2	783.2	783.4	783.2	784.4
7.5°	782.5	781.5	781.7	781.5	782.2
10°	780.3	779.3	779.3	778.8	779.8
12.5°	777.4	776.2	775.7	775.4	776.2
15°	771.6	770.8	770.3	769.9	770.3
17.5°	765.2	764.0	763.5	762.6	763.5
20°	757.5	755.8	755.3	754.6	754.8
22.5°	747.3	745.8	745.1	743.9	744.4
25°	735.2	733.7	733.0	731.8	732.2
27.5°	721.1	720.1	718.4	717.4	717.7
30°	704.8	703.9	701.9	701.4	701.4
32.5°	686.9	685.7	684.0	683.5	683.2
35°	665.3	665.0	663.3	662.9	662.1
37.5°	641.7	641.3	639.3	638.8	638.1
40°	612.9	612.4	612.1	611.2	610.2
42.5°	579.4	580.1	580.6	578.7	576.7
45°	540.8	541.5	542.5	541.1	538.4
47.5°	495.7	498.6	497.1	498.1	495.4
50°	450.1	450.1	447.6	448.6	447.2
52.5°	402.3	398.4	395.5	397.4	399.4
55°	356.9	349.1	344.3	348.9	354.5
57.5°	313.5	304.3	295.3	302.6	309.3
60°	271.3	260.6	254.8	260.1	269.6
62.5°	231.2	223.5	217.6	221.8	229.8
65°	194.3	187.5	183.9	187.1	193.4
67.5°	160.6	156.0	152.4	155.0	159.9
70°	130.0	128.8	124.7	125.9	128.8
72.5°	102.1	101.9	98.3	99.2	100.9
75°	79.6	77.9	74.5	75.7	76.4
77.5°	56.3	57.0	53.9	54.6	54.6
80°	38.6	39.8	37.4	36.9	37.1
82.5°	24.5	24.5	24.3	24.0	23.3
85°	12.6	13.1	12.6	12.1	12.1
87.5°	4.9	4.9	4.9	4.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)