

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: P412428

Luminaire Tested: **22PD-60-PB1-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412428
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-60-PB1-L850
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

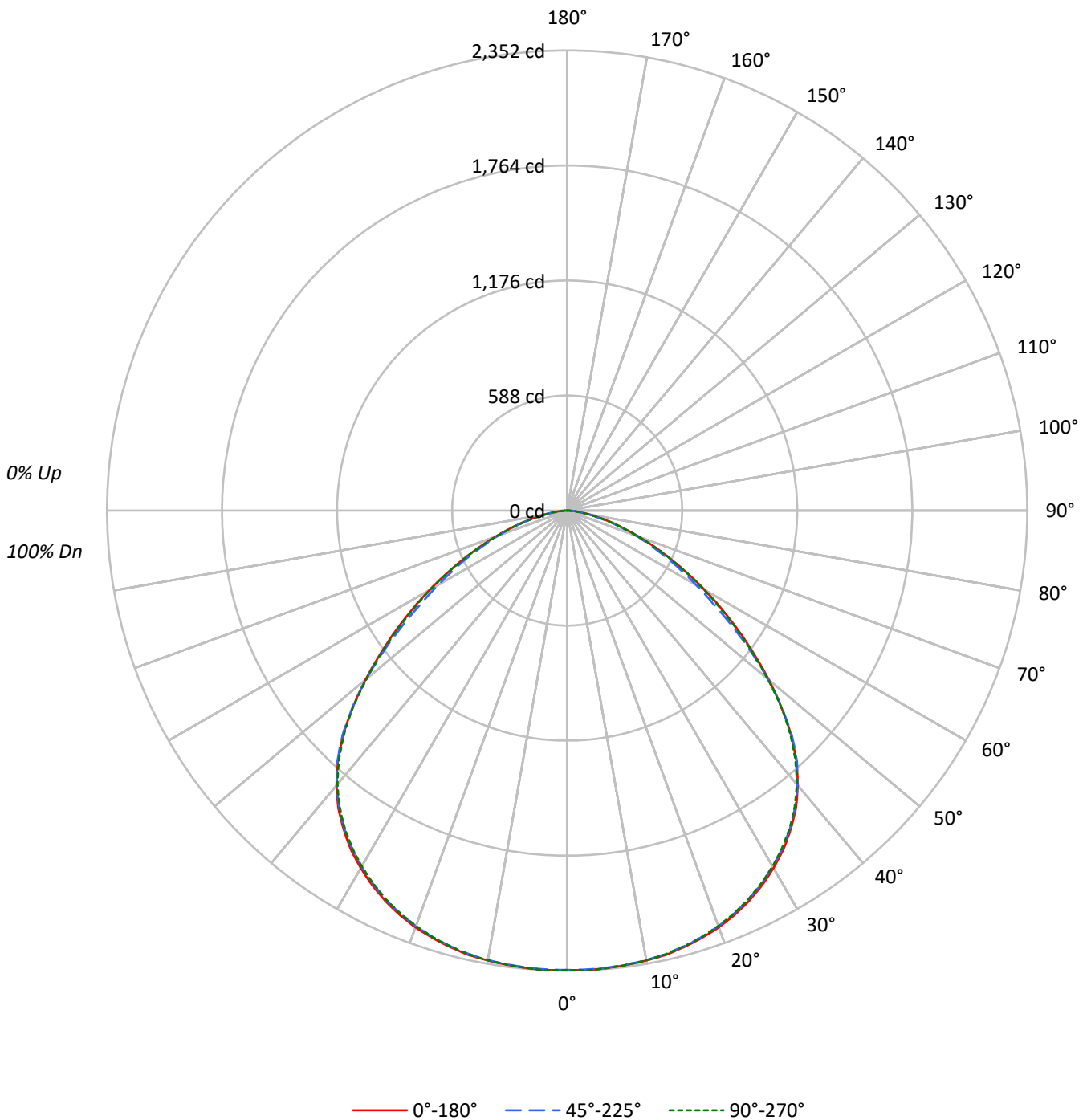
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6166.0 lumens
Efficiency: N/A
Efficacy: 115.0 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): 53.6
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°	6320	6320	6320
5°	6340	6334	6342
10°	6382	6374	6378
15°	6434	6424	6424
20°	6493	6474	6470
25°	6534	6514	6508
30°	6555	6528	6524
35°	6542	6523	6511
40°	6444	6437	6416
45°	6161	6180	6133
50°	5640	5609	5603
55°	5012	4835	4978
60°	4370	4104	4342
65°	3704	3505	3685
70°	3063	2937	3034
75°	2477	2319	2379
80°	1790	1733	1722
85°	1167	1167	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	3.6
10°-20°	651.8	10.6
20°-30°	1011.3	16.4
30°-40°	1240.2	20.1
40°-50°	1239.7	20.1
50°-60°	939.1	15.2
60°-70°	563.2	9.1
70°-80°	248.0	4.0
80°-90°	49.2	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°	1886.6	30.6
0°-40°	3126.8	50.7
0°-60°	5305.6	86.0
0°-90°	6166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2349	2349	2349	2349	2349	
5°	2347	2344	2345	2344	2348	224
15°	2309	2307	2306	2304	2306	653
25°	2200	2196	2194	2190	2192	1014
35°	1991	1991	1986	1984	1982	1244
45°	1619	1621	1624	1620	1612	1239
55°	1068	1045	1030	1044	1061	958
65°	582	561	550	560	579	582
75°	238	233	223	227	229	254
85°	38	39	38	36	36	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2348.6	2348.6	2348.6	2348.6	2348.6
2.5°	2350.8	2347.2	2347.9	2347.9	2352.3
5°	2347.2	2344.3	2345.0	2344.3	2347.9
7.5°	2342.1	2339.2	2339.9	2339.2	2341.4
10°	2335.6	2332.6	2332.6	2331.2	2334.1
12.5°	2326.8	2323.2	2321.8	2321.0	2323.2
15°	2309.4	2307.2	2305.8	2304.3	2305.8
17.5°	2290.5	2286.9	2285.4	2282.5	2285.4
20°	2267.3	2262.2	2260.7	2258.6	2259.3
22.5°	2236.8	2232.4	2230.2	2226.6	2228.1
25°	2200.5	2196.1	2193.9	2190.3	2191.8
27.5°	2158.4	2155.4	2150.4	2147.5	2148.2
30°	2109.7	2106.8	2101.0	2099.5	2099.5
32.5°	2056.0	2052.3	2047.2	2045.8	2045.1
35°	1991.3	1990.6	1985.5	1984.1	1981.9
37.5°	1920.9	1919.4	1913.6	1912.2	1910.0
40°	1834.5	1833.0	1832.3	1829.4	1826.5
42.5°	1734.2	1736.4	1737.9	1732.1	1726.2
45°	1618.8	1620.9	1623.8	1619.5	1611.5
47.5°	1483.7	1492.4	1488.0	1490.9	1483.0
50°	1347.2	1347.2	1339.9	1342.8	1338.4
52.5°	1204.1	1192.5	1183.8	1189.6	1195.4
55°	1068.3	1045.0	1030.5	1044.3	1061.0
57.5°	938.3	910.7	883.8	905.6	925.9
60°	811.9	780.0	762.5	778.5	806.8
62.5°	692.1	668.9	651.4	663.8	687.7
65°	581.7	561.4	550.5	559.9	578.8
67.5°	480.8	467.0	456.1	464.1	478.6
70°	389.3	385.6	373.3	376.9	385.6
72.5°	305.7	305.0	294.1	297.0	302.1
75°	238.2	233.1	223.0	226.6	228.8
77.5°	168.5	170.7	161.2	163.4	163.4
80°	115.5	119.1	111.8	110.4	111.1
82.5°	73.3	73.3	72.6	71.9	69.7
85°	37.8	39.2	37.8	36.3	36.3
87.5°	14.5	14.5	14.5	13.8	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)