

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: P412779

Luminaire Tested: **22PD-65-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-65-PP3-L850
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

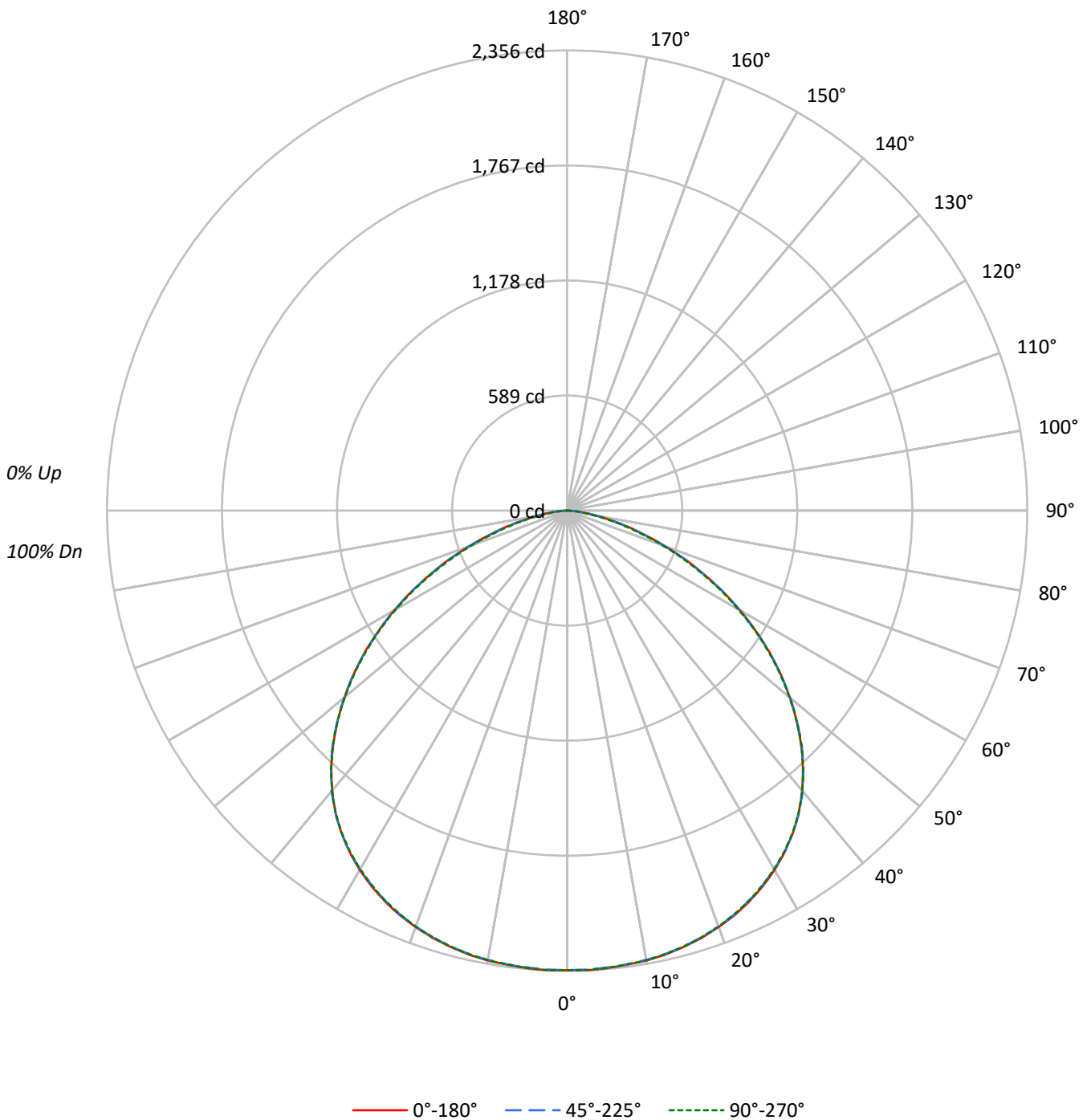
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6751.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6332	6332	6332
5°	6352	6343	6348
10°	6391	6382	6387
15°	6442	6435	6435
20°	6498	6491	6489
25°	6555	6543	6543
30°	6601	6589	6586
35°	6620	6620	6612
40°	6577	6590	6577
45°	6446	6464	6455
50°	6229	6239	6223
55°	5931	5916	5905
60°	5505	5493	5450
65°	4918	4912	4858
70°	4203	4179	4086
75°	3349	3251	3153
80°	2386	2337	2216
85°	1553	1553	1504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	3.3
10°-20°	652.7	9.7
20°-30°	1016.4	15.1
30°-40°	1257.9	18.6
40°-50°	1304.4	19.3
50°-60°	1124.3	16.7
60°-70°	764.4	11.3
70°-80°	342.0	5.1
80°-90°	65.1	1.0
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°	1892.9	28.0
0°-40°	3150.8	46.7
0°-60°	5579.5	82.6
0°-90°	6751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2352	2347	2348	2348	2350	224
15°	2312	2308	2310	2308	2310	654
25°	2208	2204	2204	2203	2204	1018
35°	2015	2013	2015	2012	2013	1259
45°	1694	1692	1699	1695	1696	1304
55°	1264	1259	1261	1259	1259	1127
65°	772	779	772	769	763	767
75°	322	323	313	311	303	347
85°	50	52	50	49	49	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2353.0	2353.0	2353.0	2353.0	2353.0
2.5°	2356.2	2351.5	2351.5	2352.2	2354.6
5°	2351.5	2346.7	2348.3	2347.5	2349.9
7.5°	2345.2	2341.2	2343.6	2342.0	2343.6
10°	2338.9	2335.0	2335.7	2335.0	2337.3
12.5°	2327.9	2323.2	2324.7	2324.7	2325.5
15°	2312.2	2308.2	2309.8	2308.2	2309.8
17.5°	2293.3	2288.6	2289.4	2288.6	2290.2
20°	2269.0	2265.8	2266.6	2265.0	2265.8
22.5°	2241.5	2237.5	2238.3	2236.7	2236.7
25°	2207.7	2204.5	2203.8	2203.0	2203.8
27.5°	2168.4	2164.5	2164.5	2163.7	2163.7
30°	2124.4	2120.5	2120.5	2119.7	2119.7
32.5°	2072.5	2071.0	2071.8	2070.2	2069.4
35°	2015.2	2012.8	2015.2	2012.1	2012.8
37.5°	1948.4	1945.3	1950.0	1946.8	1947.6
40°	1872.2	1870.6	1876.1	1873.8	1872.2
42.5°	1787.4	1787.4	1789.7	1790.5	1788.9
45°	1693.9	1692.3	1698.6	1694.6	1696.2
47.5°	1593.3	1590.9	1595.7	1594.9	1594.1
50°	1488.0	1486.5	1490.4	1486.5	1486.5
52.5°	1378.8	1378.0	1378.8	1374.9	1374.1
55°	1264.1	1259.4	1261.0	1258.6	1258.6
57.5°	1144.7	1139.2	1140.0	1139.2	1140.0
60°	1022.9	1021.3	1020.6	1016.6	1012.7
62.5°	898.0	899.6	898.8	893.3	889.4
65°	772.3	778.6	771.5	769.2	762.9
67.5°	653.7	656.0	651.3	645.8	638.7
70°	534.2	539.0	531.1	525.6	519.3
72.5°	420.3	423.5	416.4	413.3	405.4
75°	322.1	322.9	312.7	311.1	303.3
77.5°	229.4	232.6	224.7	224.7	216.8
80°	154.0	159.5	150.8	148.5	143.0
82.5°	96.6	97.4	95.1	92.7	90.3
85°	50.3	51.9	50.3	48.7	48.7
87.5°	18.9	19.6	18.9	18.1	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)