

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: P412434

Luminaire Tested: **22PD-65-PB1-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412434
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-65-PB1-L830
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

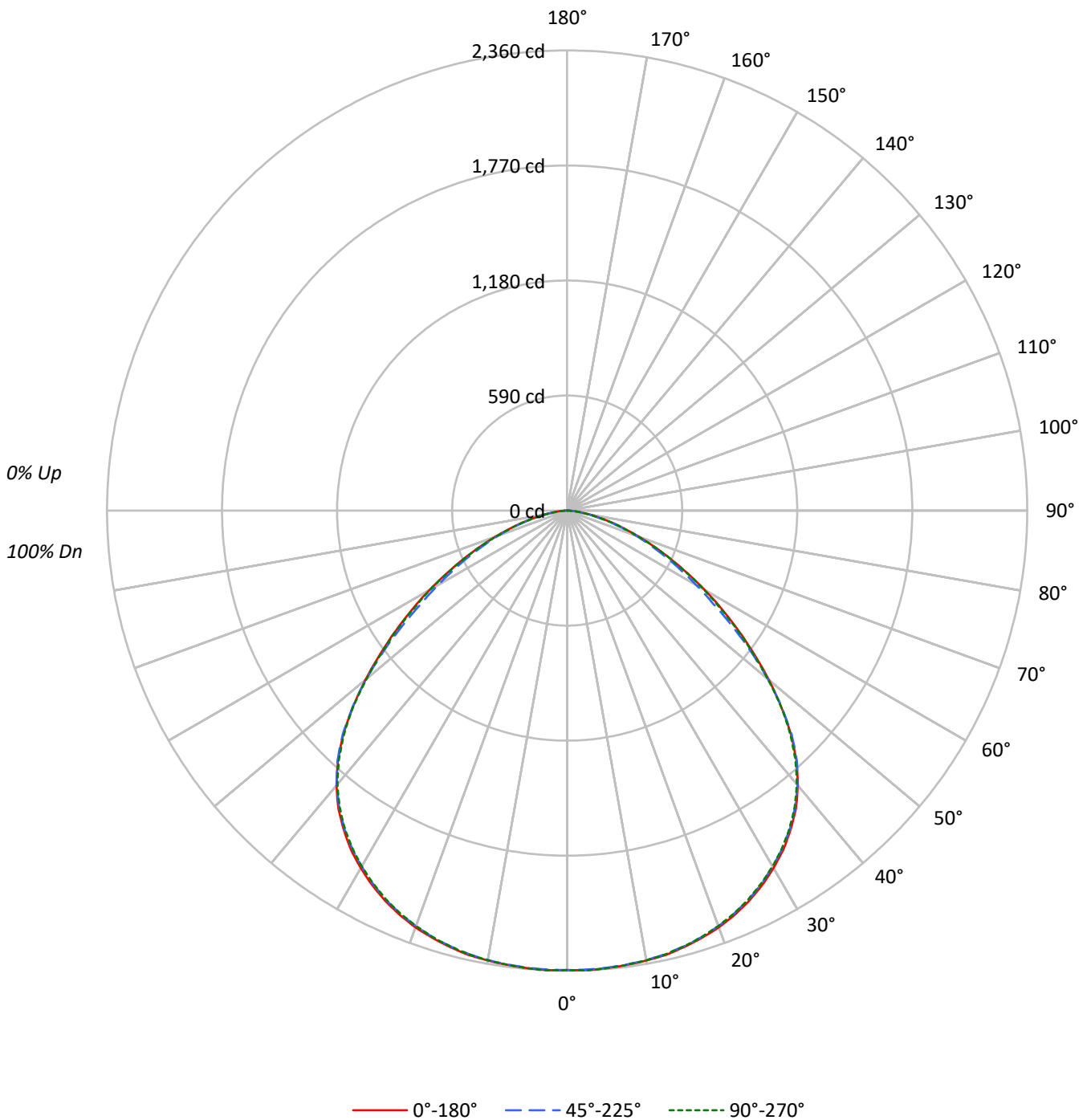
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6187.0 lumens
Efficiency: N/A
Efficacy: 106.9 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): 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	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	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°	6342	6342	6342
5°	6362	6356	6364
10°	6404	6396	6399
15°	6456	6445	6445
20°	6515	6496	6492
25°	6556	6536	6530
30°	6578	6550	6546
35°	6564	6545	6533
40°	6466	6458	6438
45°	6181	6201	6154
50°	5659	5629	5622
55°	5029	4851	4995
60°	4385	4118	4357
65°	3717	3517	3698
70°	3073	2947	3044
75°	2485	2326	2386
80°	1796	1739	1728
85°	1170	1170	1124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	3.6
10°-20°	654.0	10.6
20°-30°	1014.8	16.4
30°-40°	1244.4	20.1
40°-50°	1244.0	20.1
50°-60°	942.3	15.2
60°-70°	565.1	9.1
70°-80°	248.8	4.0
80°-90°	49.4	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°	1893.0	30.6
0°-40°	3137.4	50.7
0°-60°	5323.7	86.0
0°-90°	6187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2357	2357	2357	2357	2357	
5°	2355	2352	2353	2352	2356	224
15°	2317	2315	2314	2312	2314	655
25°	2208	2204	2201	2198	2199	1018
35°	1998	1997	1992	1991	1989	1248
45°	1624	1626	1629	1625	1617	1243
55°	1072	1049	1034	1048	1065	961
65°	584	563	552	562	581	584
75°	239	234	224	227	230	255
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°	2356.6	2356.6	2356.6	2356.6	2356.6
2.5°	2358.8	2355.2	2355.9	2355.9	2360.3
5°	2355.2	2352.2	2353.0	2352.2	2355.9
7.5°	2350.1	2347.1	2347.9	2347.1	2349.3
10°	2343.5	2340.6	2340.6	2339.1	2342.0
12.5°	2334.8	2331.1	2329.7	2328.9	2331.1
15°	2317.3	2315.1	2313.6	2312.2	2313.6
17.5°	2298.3	2294.7	2293.2	2290.3	2293.2
20°	2275.0	2269.9	2268.4	2266.3	2267.0
22.5°	2244.4	2240.0	2237.8	2234.2	2235.7
25°	2208.0	2203.6	2201.4	2197.8	2199.2
27.5°	2165.7	2162.8	2157.7	2154.8	2155.5
30°	2116.9	2114.0	2108.1	2106.7	2106.7
32.5°	2063.0	2059.3	2054.2	2052.8	2052.0
35°	1998.1	1997.4	1992.3	1990.8	1988.6
37.5°	1927.4	1926.0	1920.1	1918.7	1916.5
40°	1840.7	1839.2	1838.5	1835.6	1832.7
42.5°	1740.1	1742.3	1743.8	1738.0	1732.1
45°	1624.3	1626.5	1629.4	1625.0	1617.0
47.5°	1488.7	1497.5	1493.1	1496.0	1488.0
50°	1351.7	1351.7	1344.5	1347.4	1343.0
52.5°	1208.2	1196.5	1187.8	1193.6	1199.4
55°	1071.9	1048.6	1034.0	1047.9	1064.6
57.5°	941.5	913.8	886.8	908.7	929.1
60°	814.7	782.6	765.1	781.2	809.6
62.5°	694.5	671.1	653.6	666.0	690.1
65°	583.7	563.3	552.4	561.8	580.8
67.5°	482.4	468.6	457.6	465.6	480.2
70°	390.6	386.9	374.6	378.2	386.9
72.5°	306.8	306.1	295.1	298.0	303.1
75°	239.0	233.9	223.7	227.4	229.5
77.5°	169.1	171.2	161.8	164.0	164.0
80°	115.9	119.5	112.2	110.8	111.5
82.5°	73.6	73.6	72.9	72.1	70.0
85°	37.9	39.3	37.9	36.4	36.4
87.5°	14.6	14.6	14.6	13.8	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)