

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: P413120

Luminaire Tested: **22PD-65-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-65-PC3-L840
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

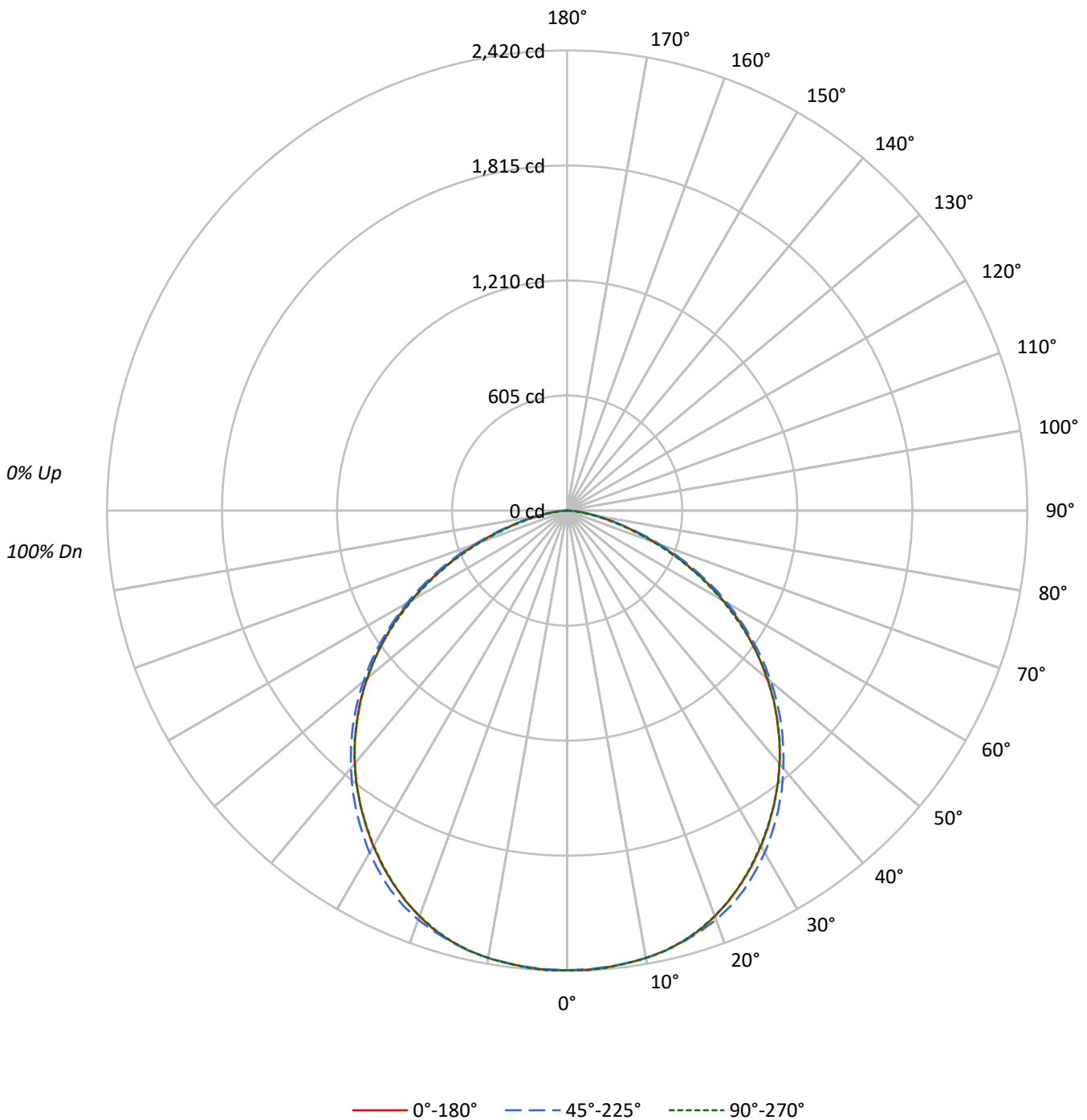
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6493.0 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6504	6504	6504
5°	6512	6508	6516
10°	6529	6527	6529
15°	6536	6545	6534
20°	6503	6556	6499
25°	6428	6533	6423
30°	6333	6457	6323
35°	6223	6346	6223
40°	6106	6214	6106
45°	5945	6062	5954
50°	5741	5854	5764
55°	5475	5583	5475
60°	5105	5234	5072
65°	4581	4743	4523
70°	3919	4058	3804
75°	3109	3197	2950
80°	2228	2311	2120
85°	1473	1519	1377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	3.5
10°-20°	662.4	10.2
20°-30°	1004.9	15.5
30°-40°	1200.1	18.5
40°-50°	1220.5	18.8
50°-60°	1055.7	16.3
60°-70°	726.5	11.2
70°-80°	329.7	5.1
80°-90°	63.8	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°	1896.6	29.2
0°-40°	3096.8	47.7
0°-60°	5373.0	82.8
0°-90°	6493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6493.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2417	2417	2417	2417	2417	
5°	2411	2408	2409	2409	2412	229
15°	2346	2348	2349	2346	2346	662
25°	2165	2184	2200	2180	2163	997
35°	1894	1928	1932	1925	1894	1185
45°	1562	1590	1593	1591	1564	1205
55°	1167	1187	1190	1188	1167	1043
65°	720	740	745	739	710	714
75°	299	311	308	304	284	322
85°	48	51	49	48	45	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2416.9	2416.9	2416.9	2416.9	2416.9
2.5°	2416.9	2413.9	2414.6	2415.4	2420.0
5°	2410.8	2408.5	2409.3	2409.3	2412.3
7.5°	2400.8	2400.0	2400.0	2399.3	2401.6
10°	2389.3	2387.7	2388.5	2387.7	2389.3
12.5°	2371.6	2371.6	2372.4	2370.1	2371.6
15°	2346.2	2347.8	2349.3	2345.5	2345.5
17.5°	2313.9	2317.8	2321.6	2314.7	2310.9
20°	2270.9	2280.1	2289.3	2278.6	2269.3
22.5°	2220.9	2236.3	2250.1	2233.2	2220.9
25°	2164.8	2184.0	2200.2	2180.2	2163.3
27.5°	2104.1	2125.6	2141.0	2124.1	2101.0
30°	2038.0	2064.1	2077.9	2061.8	2034.9
32.5°	1967.2	1998.0	2006.4	1996.4	1965.7
35°	1894.2	1928.0	1931.9	1924.9	1894.2
37.5°	1818.1	1850.4	1853.5	1849.6	1818.1
40°	1738.1	1768.1	1768.9	1768.9	1738.1
42.5°	1652.8	1682.0	1682.0	1681.3	1655.1
45°	1562.1	1590.5	1592.8	1591.3	1564.4
47.5°	1472.2	1493.7	1497.5	1494.4	1470.6
50°	1371.4	1393.7	1398.4	1395.3	1376.8
52.5°	1271.5	1292.3	1296.9	1294.6	1273.8
55°	1167.0	1186.9	1190.0	1187.7	1167.0
57.5°	1066.3	1079.3	1082.4	1077.8	1051.6
60°	948.6	967.1	972.5	967.1	942.5
62.5°	834.9	854.8	859.5	851.8	825.6
65°	719.5	739.5	744.9	738.8	710.3
67.5°	610.4	625.0	629.6	622.7	596.5
70°	498.1	516.6	515.8	506.6	483.5
72.5°	387.4	412.8	408.2	402.8	377.5
75°	299.0	310.6	307.5	304.4	283.7
77.5°	213.7	227.5	219.9	220.6	202.9
80°	143.8	156.8	149.1	146.1	136.8
82.5°	91.5	96.9	95.3	93.8	85.3
85°	47.7	50.7	49.2	47.7	44.6
87.5°	18.4	20.0	18.4	18.4	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)