

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: P413119

Luminaire Tested: **22PD-65-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413119
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-L835
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

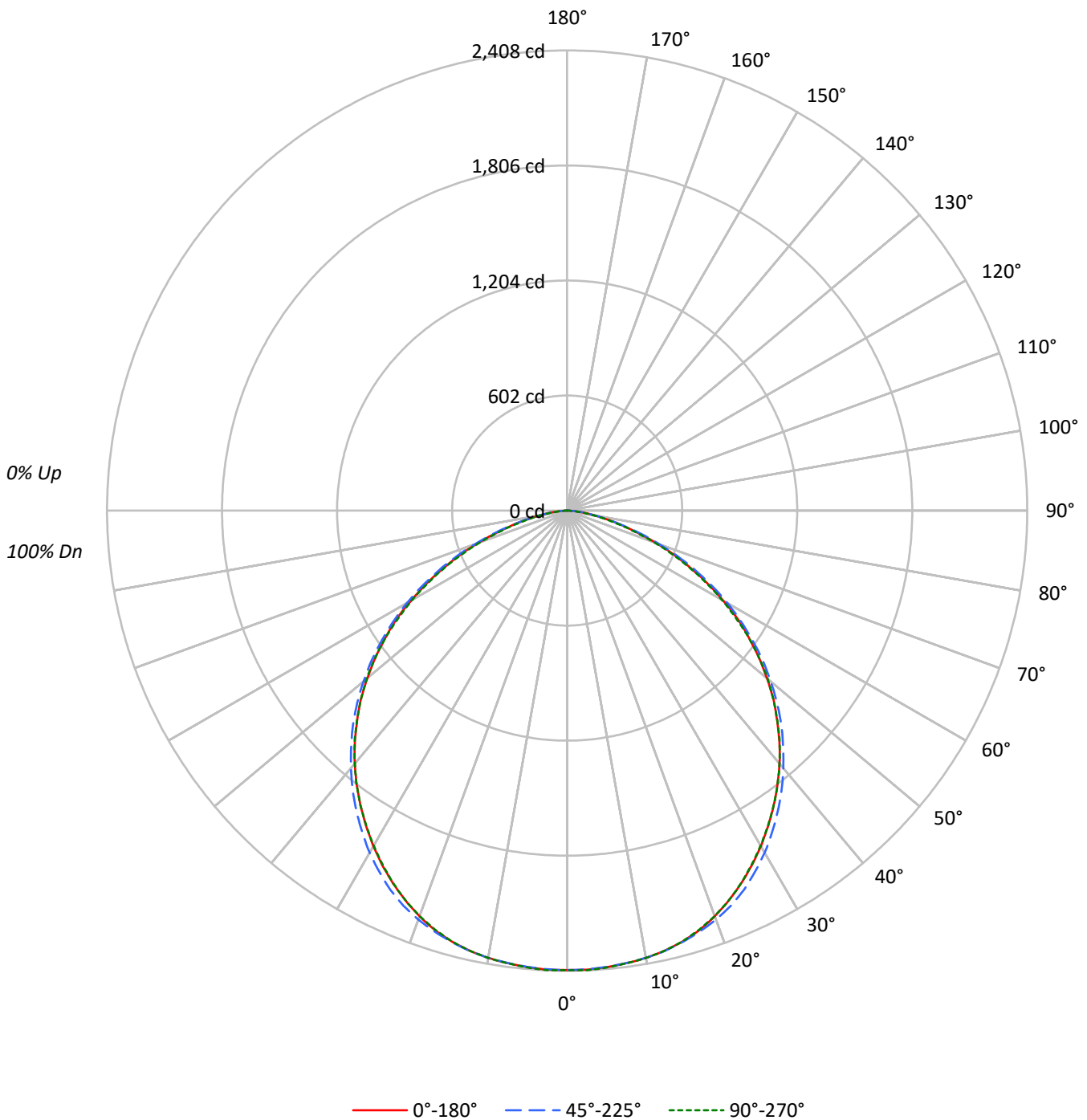
Lumens per Lamp: N/A
Luminaire Lumens: 6460.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	6471	6471	6471
5°	6479	6475	6483
10°	6495	6493	6495
15°	6503	6512	6501
20°	6470	6523	6466
25°	6395	6500	6391
30°	6300	6424	6291
35°	6191	6314	6191
40°	6075	6182	6075
45°	5915	6031	5923
50°	5712	5824	5735
55°	5447	5555	5447
60°	5079	5207	5047
65°	4558	4719	4500
70°	3899	4038	3785
75°	3093	3180	2934
80°	2216	2300	2109
85°	1463	1510	1371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.2	3.5
10°-20°	659.0	10.2
20°-30°	999.8	15.5
30°-40°	1194.0	18.5
40°-50°	1214.3	18.8
50°-60°	1050.4	16.3
60°-70°	722.8	11.2
70°-80°	328.0	5.1
80°-90°	63.5	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°	1887.0	29.2
0°-40°	3081.0	47.7
0°-60°	5345.7	82.8
0°-90°	6460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2398	2396	2397	2397	2400	228
15°	2334	2336	2337	2334	2334	658
25°	2154	2173	2189	2169	2152	992
35°	1885	1918	1922	1915	1885	1179
45°	1554	1582	1585	1583	1556	1199
55°	1161	1181	1184	1182	1161	1037
65°	716	736	741	735	707	710
75°	298	309	306	303	282	320
85°	47	50	49	47	44	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2404.7	2404.7	2404.7	2404.7	2404.7
2.5°	2404.7	2401.6	2402.4	2403.1	2407.7
5°	2398.5	2396.2	2397.0	2397.0	2400.1
7.5°	2388.6	2387.8	2387.8	2387.1	2389.4
10°	2377.1	2375.6	2376.4	2375.6	2377.1
12.5°	2359.5	2359.5	2360.3	2358.0	2359.5
15°	2334.3	2335.8	2337.4	2333.5	2333.5
17.5°	2302.2	2306.0	2309.8	2302.9	2299.1
20°	2259.3	2268.5	2277.7	2267.0	2257.8
22.5°	2209.6	2224.9	2238.7	2221.9	2209.6
25°	2153.8	2172.9	2189.0	2169.1	2152.3
27.5°	2093.4	2114.8	2130.1	2113.3	2090.3
30°	2027.6	2053.6	2067.4	2051.3	2024.5
32.5°	1957.2	1987.8	1996.2	1986.3	1955.7
35°	1884.6	1918.2	1922.0	1915.2	1884.6
37.5°	1808.8	1841.0	1844.0	1840.2	1808.8
40°	1729.3	1759.1	1759.9	1759.9	1729.3
42.5°	1644.4	1673.5	1673.5	1672.7	1646.7
45°	1554.2	1582.5	1584.8	1583.2	1556.5
47.5°	1464.7	1486.1	1489.9	1486.9	1463.1
50°	1364.5	1386.7	1391.2	1388.2	1369.8
52.5°	1265.0	1285.7	1290.3	1288.0	1267.3
55°	1161.0	1180.9	1184.0	1181.7	1161.0
57.5°	1060.8	1073.8	1076.9	1072.3	1046.3
60°	943.8	962.2	967.5	962.2	937.7
62.5°	830.6	850.5	855.1	847.4	821.4
65°	715.9	735.8	741.1	735.0	706.7
67.5°	607.3	621.8	626.4	619.5	593.5
70°	495.6	514.0	513.2	504.0	481.1
72.5°	385.5	410.7	406.1	400.8	375.5
75°	297.5	309.0	305.9	302.9	282.2
77.5°	212.6	226.4	218.7	219.5	201.9
80°	143.0	156.0	148.4	145.3	136.1
82.5°	91.0	96.4	94.8	93.3	84.9
85°	47.4	50.5	48.9	47.4	44.4
87.5°	18.4	19.9	18.4	18.4	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)