

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: P412777

Luminaire Tested: **22PD-65-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412777
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-L835
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

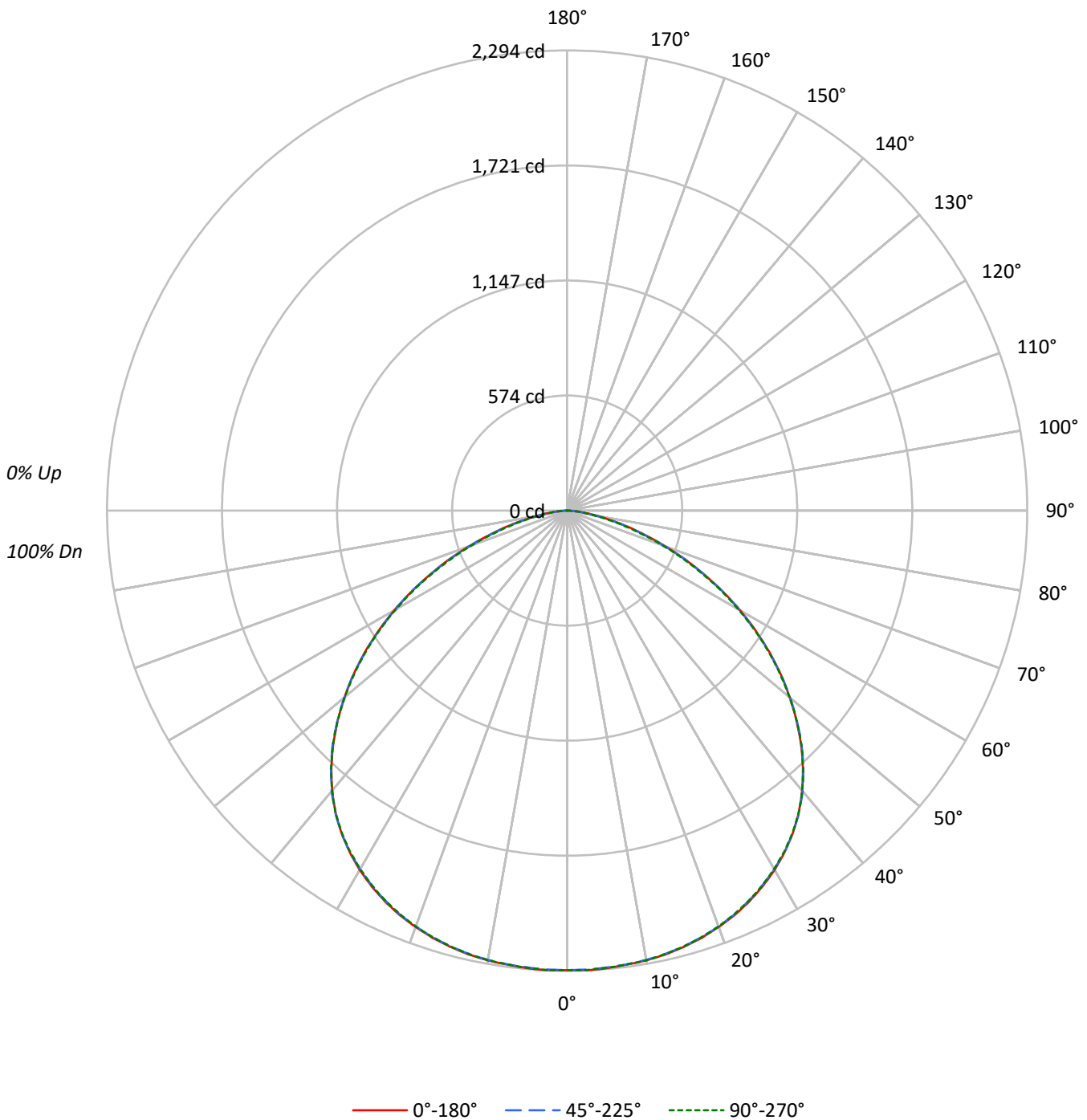
Lumens per Lamp: N/A
Luminaire Lumens: 6573.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	6165	6165	6165
5°	6185	6176	6180
10°	6222	6214	6218
15°	6272	6265	6265
20°	6326	6320	6318
25°	6382	6371	6371
30°	6427	6415	6413
35°	6446	6446	6438
40°	6403	6417	6403
45°	6276	6294	6285
50°	6065	6075	6059
55°	5774	5760	5749
60°	5360	5348	5307
65°	4788	4783	4730
70°	4093	4068	3978
75°	3261	3165	3070
80°	2323	2276	2157
85°	1513	1513	1463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.3
10°-20°	635.5	9.7
20°-30°	989.6	15.1
30°-40°	1224.8	18.6
40°-50°	1270.0	19.3
50°-60°	1094.7	16.7
60°-70°	744.2	11.3
70°-80°	333.0	5.1
80°-90°	63.4	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°	1842.9	28.0
0°-40°	3067.7	46.7
0°-60°	5432.4	82.6
0°-90°	6573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2291	2291	2291	2291	2291	
5°	2290	2285	2286	2286	2288	218
15°	2251	2247	2249	2247	2249	636
25°	2150	2146	2146	2145	2146	991
35°	1962	1960	1962	1959	1960	1226
45°	1649	1648	1654	1650	1652	1269
55°	1231	1226	1228	1225	1225	1097
65°	752	758	751	749	743	747
75°	314	314	304	303	295	337
85°	49	50	49	47	47	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2291.0	2291.0	2291.0	2291.0	2291.0
2.5°	2294.0	2289.5	2289.5	2290.2	2292.5
5°	2289.5	2284.9	2286.4	2285.6	2287.9
7.5°	2283.3	2279.5	2281.8	2280.3	2281.8
10°	2277.2	2273.4	2274.2	2273.4	2275.7
12.5°	2266.5	2261.9	2263.4	2263.4	2264.2
15°	2251.2	2247.4	2248.9	2247.4	2248.9
17.5°	2232.8	2228.3	2229.0	2228.3	2229.8
20°	2209.1	2206.1	2206.8	2205.3	2206.1
22.5°	2182.4	2178.5	2179.3	2177.8	2177.8
25°	2149.5	2146.4	2145.6	2144.9	2145.6
27.5°	2111.2	2107.4	2107.4	2106.6	2106.6
30°	2068.4	2064.6	2064.6	2063.8	2063.8
32.5°	2017.9	2016.4	2017.1	2015.6	2014.8
35°	1962.1	1959.8	1962.1	1959.0	1959.8
37.5°	1897.0	1894.0	1898.6	1895.5	1896.3
40°	1822.8	1821.3	1826.7	1824.4	1822.8
42.5°	1740.2	1740.2	1742.5	1743.3	1741.8
45°	1649.2	1647.7	1653.8	1650.0	1651.5
47.5°	1551.3	1549.0	1553.6	1552.8	1552.1
50°	1448.8	1447.3	1451.1	1447.3	1447.3
52.5°	1342.5	1341.7	1342.5	1338.6	1337.9
55°	1230.8	1226.2	1227.7	1225.4	1225.4
57.5°	1114.5	1109.2	1109.9	1109.2	1109.9
60°	995.9	994.4	993.7	989.8	986.0
62.5°	874.3	875.9	875.1	869.7	865.9
65°	751.9	758.1	751.2	748.9	742.8
67.5°	636.4	638.7	634.1	628.8	621.9
70°	520.2	524.7	517.1	511.7	505.6
72.5°	409.2	412.3	405.4	402.4	394.7
75°	313.6	314.4	304.4	302.9	295.3
77.5°	223.4	226.4	218.8	218.8	211.1
80°	149.9	155.3	146.9	144.6	139.2
82.5°	94.1	94.9	92.6	90.3	88.0
85°	49.0	50.5	49.0	47.4	47.4
87.5°	18.4	19.1	18.4	17.6	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)