

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: P412768

Luminaire Tested: **22PD-60-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412768
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-60-PP3-L835
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

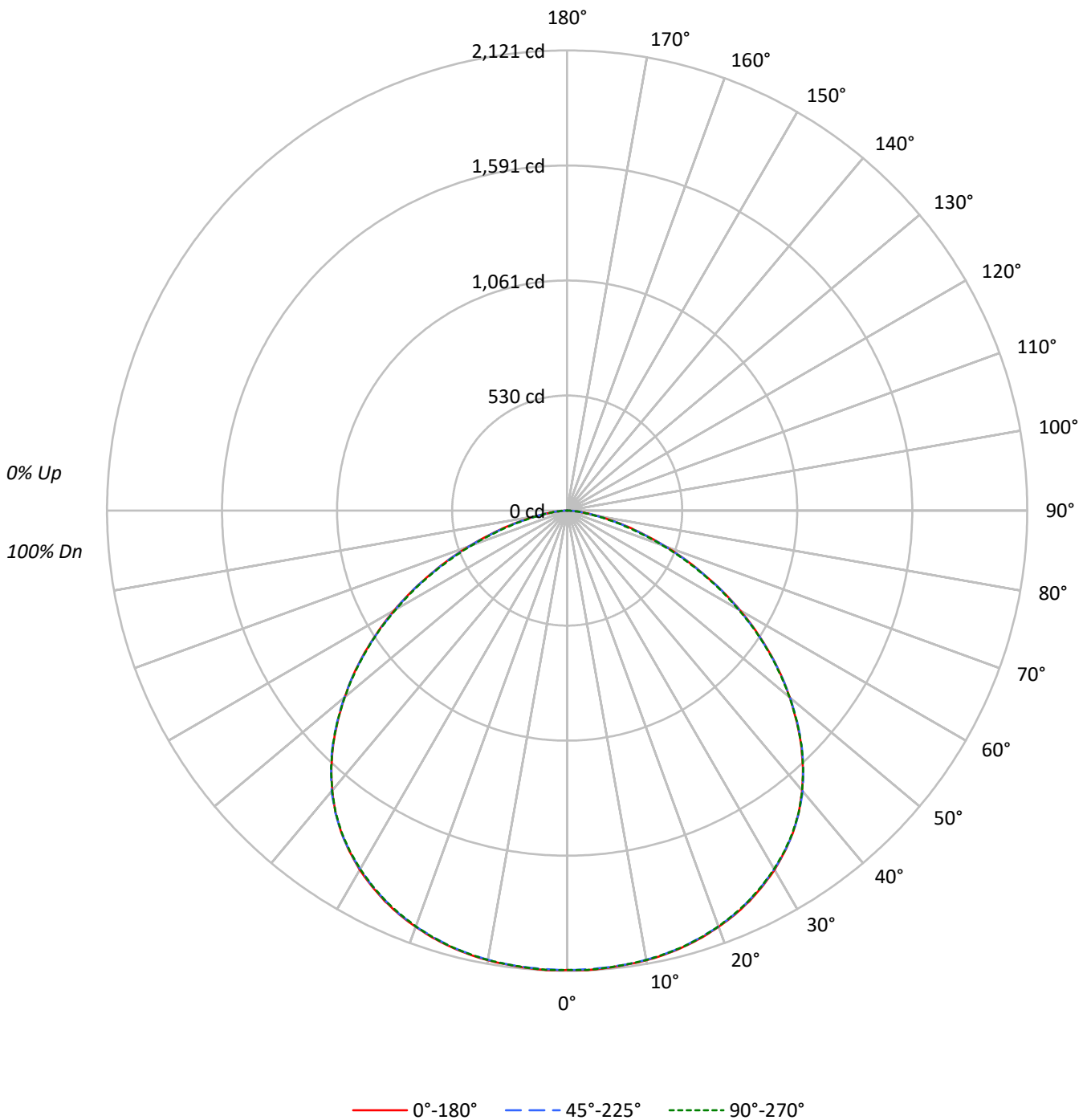
Lumens per Lamp: N/A
Luminaire Lumens: 6076.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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	52	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°	5699	5699	5699
5°	5717	5709	5713
10°	5752	5744	5748
15°	5797	5792	5792
20°	5848	5842	5840
25°	5899	5889	5889
30°	5941	5930	5928
35°	5958	5958	5951
40°	5919	5931	5919
45°	5802	5818	5810
50°	5606	5616	5601
55°	5338	5324	5315
60°	4955	4943	4905
65°	4426	4422	4372
70°	3783	3761	3677
75°	3014	2926	2837
80°	2148	2104	1994
85°	1399	1399	1352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	3.3
10°-20°	587.5	9.7
20°-30°	914.7	15.1
30°-40°	1132.1	18.6
40°-50°	1174.0	19.3
50°-60°	1011.9	16.7
60°-70°	687.9	11.3
70°-80°	307.8	5.1
80°-90°	58.6	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°	1703.6	28.0
0°-40°	2835.7	46.7
0°-60°	5021.6	82.6
0°-90°	6076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2116	2112	2114	2113	2115	202
15°	2081	2078	2079	2078	2079	588
25°	1987	1984	1983	1983	1983	916
35°	1814	1812	1814	1811	1812	1133
45°	1524	1523	1529	1525	1527	1173
55°	1138	1134	1135	1133	1133	1014
65°	695	701	694	692	687	690
75°	290	291	281	280	273	312
85°	45	47	45	44	44	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2117.8	2117.8	2117.8	2117.8	2117.8
2.5°	2120.6	2116.3	2116.3	2117.0	2119.2
5°	2116.3	2112.1	2113.5	2112.8	2114.9
7.5°	2110.7	2107.2	2109.3	2107.9	2109.3
10°	2105.0	2101.5	2102.2	2101.5	2103.6
12.5°	2095.1	2090.9	2092.3	2092.3	2093.0
15°	2081.0	2077.5	2078.9	2077.5	2078.9
17.5°	2064.0	2059.8	2060.5	2059.8	2061.2
20°	2042.1	2039.3	2040.0	2038.6	2039.3
22.5°	2017.3	2013.8	2014.5	2013.1	2013.1
25°	1986.9	1984.1	1983.4	1982.7	1983.4
27.5°	1951.6	1948.1	1948.1	1947.3	1947.3
30°	1912.0	1908.5	1908.5	1907.7	1907.7
32.5°	1865.3	1863.9	1864.6	1863.2	1862.5
35°	1813.7	1811.6	1813.7	1810.9	1811.6
37.5°	1753.6	1750.8	1755.0	1752.2	1752.9
40°	1685.0	1683.6	1688.5	1686.4	1685.0
42.5°	1608.6	1608.6	1610.8	1611.5	1610.1
45°	1524.5	1523.1	1528.7	1525.2	1526.6
47.5°	1434.0	1431.9	1436.1	1435.4	1434.7
50°	1339.2	1337.8	1341.4	1337.8	1337.8
52.5°	1241.0	1240.2	1241.0	1237.4	1236.7
55°	1137.7	1133.5	1134.9	1132.8	1132.8
57.5°	1030.2	1025.3	1026.0	1025.3	1026.0
60°	920.6	919.2	918.5	915.0	911.4
62.5°	808.2	809.6	808.9	804.0	800.4
65°	695.1	700.7	694.4	692.2	686.6
67.5°	588.3	590.4	586.2	581.2	574.9
70°	480.8	485.1	478.0	473.0	467.4
72.5°	378.3	381.1	374.8	371.9	364.9
75°	289.9	290.6	281.4	280.0	272.9
77.5°	206.5	209.3	202.2	202.2	195.2
80°	138.6	143.5	135.8	133.6	128.7
82.5°	87.0	87.7	85.6	83.4	81.3
85°	45.3	46.7	45.3	43.8	43.8
87.5°	17.0	17.7	17.0	16.3	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)