

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: P412807

Luminaire Tested: **22PD-80-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412807
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-80-PP3-L927
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

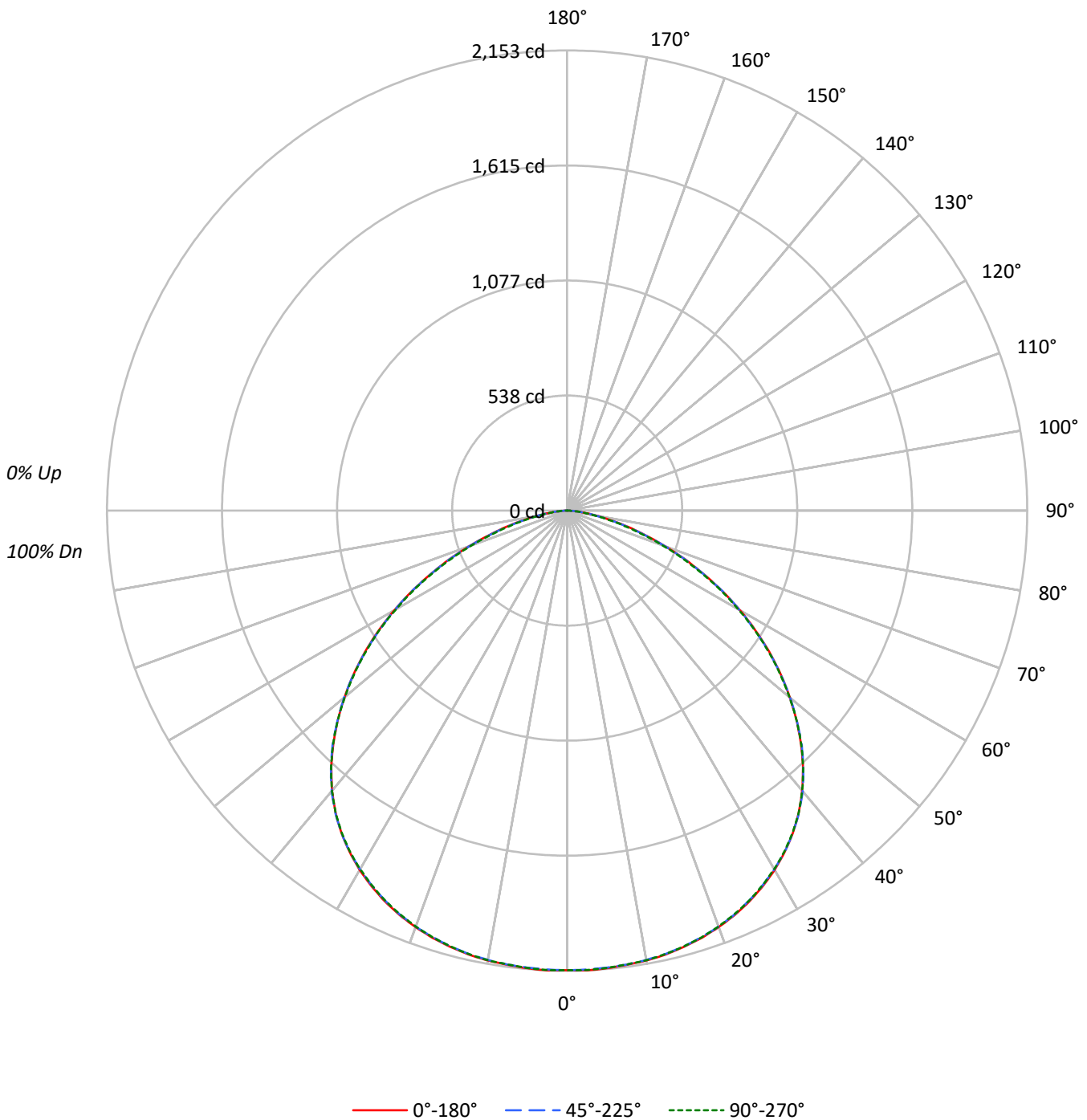
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6170.0 lumens
Efficiency: N/A
Efficacy: 85.0 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): 72.6
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°	5787	5787	5787
5°	5805	5797	5801
10°	5841	5833	5837
15°	5887	5881	5881
20°	5938	5932	5930
25°	5991	5980	5980
30°	6033	6022	6020
35°	6050	6050	6043
40°	6011	6023	6011
45°	5891	5908	5899
50°	5694	5702	5687
55°	5420	5407	5397
60°	5032	5020	4981
65°	4494	4490	4439
70°	3842	3819	3734
75°	3061	2972	2882
80°	2180	2137	2025
85°	1420	1420	1374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.5	3.3
10°-20°	596.5	9.7
20°-30°	928.9	15.1
30°-40°	1149.7	18.6
40°-50°	1192.1	19.3
50°-60°	1027.5	16.7
60°-70°	698.6	11.3
70°-80°	312.6	5.1
80°-90°	59.5	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°	1730.0	28.0
0°-40°	2879.6	46.7
0°-60°	5099.3	82.6
0°-90°	6170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2149	2145	2146	2146	2148	205
15°	2113	2110	2111	2110	2111	597
25°	2018	2015	2014	2013	2014	930
35°	1842	1840	1842	1839	1840	1150
45°	1548	1547	1552	1549	1550	1192
55°	1155	1151	1152	1150	1150	1030
65°	706	712	705	703	697	701
75°	294	295	286	284	277	317
85°	46	47	46	44	44	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2150.5	2150.5	2150.5	2150.5	2150.5
2.5°	2153.4	2149.1	2149.1	2149.8	2152.0
5°	2149.1	2144.8	2146.2	2145.5	2147.6
7.5°	2143.3	2139.7	2141.9	2140.5	2141.9
10°	2137.6	2134.0	2134.7	2134.0	2136.2
12.5°	2127.5	2123.2	2124.7	2124.7	2125.4
15°	2113.2	2109.6	2111.0	2109.6	2111.0
17.5°	2095.9	2091.6	2092.4	2091.6	2093.1
20°	2073.7	2070.8	2071.5	2070.1	2070.8
22.5°	2048.6	2045.0	2045.7	2044.3	2044.3
25°	2017.7	2014.8	2014.1	2013.4	2014.1
27.5°	1981.8	1978.2	1978.2	1977.5	1977.5
30°	1941.6	1938.0	1938.0	1937.3	1937.3
32.5°	1894.2	1892.7	1893.5	1892.0	1891.3
35°	1841.8	1839.6	1841.8	1838.9	1839.6
37.5°	1780.7	1777.9	1782.2	1779.3	1780.0
40°	1711.1	1709.6	1714.7	1712.5	1711.1
42.5°	1633.5	1633.5	1635.7	1636.4	1635.0
45°	1548.1	1546.7	1552.4	1548.8	1550.2
47.5°	1456.2	1454.0	1458.3	1457.6	1456.9
50°	1360.0	1358.5	1362.1	1358.5	1358.5
52.5°	1260.2	1259.4	1260.2	1256.6	1255.8
55°	1155.3	1151.0	1152.4	1150.3	1150.3
57.5°	1046.2	1041.2	1041.9	1041.2	1041.9
60°	934.9	933.4	932.7	929.1	925.5
62.5°	820.7	822.2	821.4	816.4	812.8
65°	705.8	711.6	705.1	703.0	697.2
67.5°	597.4	599.6	595.3	590.2	583.8
70°	488.3	492.6	485.4	480.4	474.6
72.5°	384.1	387.0	380.6	377.7	370.5
75°	294.4	295.1	285.8	284.3	277.2
77.5°	209.7	212.5	205.4	205.4	198.2
80°	140.7	145.8	137.9	135.7	130.7
82.5°	88.3	89.0	86.9	84.7	82.6
85°	46.0	47.4	46.0	44.5	44.5
87.5°	17.2	18.0	17.2	16.5	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)