

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: P413126

Luminaire Tested: **22PD-65-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413126
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-L950
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

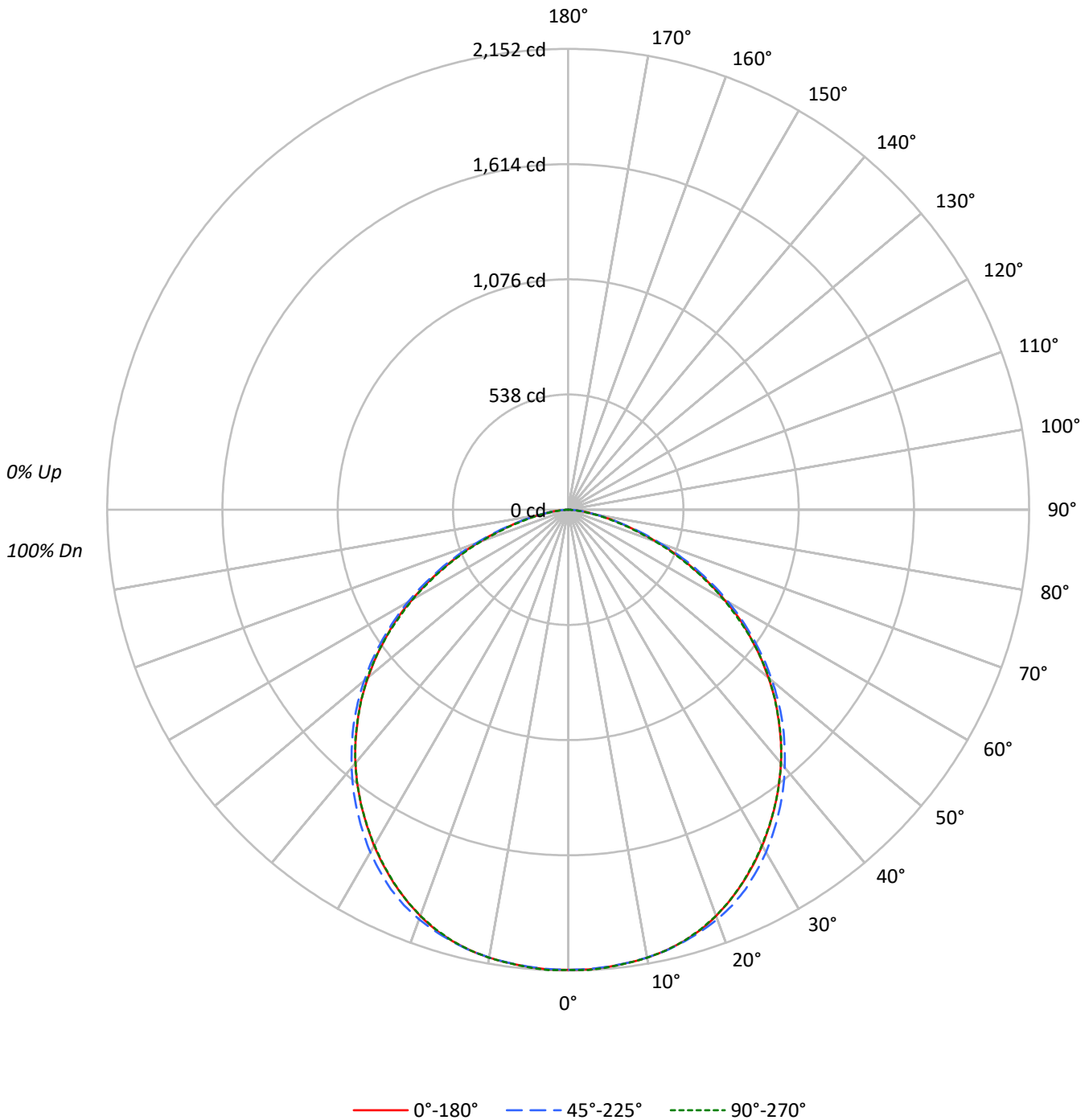
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5773.0 lumens
Efficiency: N/A
Efficacy: 99.7 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°	5783	5783	5783
5°	5790	5786	5794
10°	5805	5803	5805
15°	5812	5819	5810
20°	5782	5829	5778
25°	5715	5808	5711
30°	5630	5741	5622
35°	5533	5642	5533
40°	5429	5525	5429
45°	5286	5390	5293
50°	5105	5205	5125
55°	4868	4964	4868
60°	4539	4653	4510
65°	4074	4217	4022
70°	3485	3608	3382
75°	2765	2843	2622
80°	1980	2055	1886
85°	1309	1349	1223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	3.5
10°-20°	588.9	10.2
20°-30°	893.5	15.5
30°-40°	1067.0	18.5
40°-50°	1085.2	18.8
50°-60°	938.7	16.3
60°-70°	645.9	11.2
70°-80°	293.1	5.1
80°-90°	56.7	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°	1686.3	29.2
0°-40°	2753.4	47.7
0°-60°	4777.2	82.8
0°-90°	5773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2149	2149	2149	2149	2149	
5°	2144	2141	2142	2142	2145	204
15°	2086	2087	2089	2085	2085	588
25°	1925	1942	1956	1938	1923	887
35°	1684	1714	1718	1712	1684	1053
45°	1389	1414	1416	1415	1391	1071
55°	1038	1055	1058	1056	1038	927
65°	640	658	662	657	632	635
75°	266	276	273	271	252	286
85°	42	45	44	42	40	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2148.9	2148.9	2148.9	2148.9	2148.9
2.5°	2148.9	2146.2	2146.9	2147.6	2151.7
5°	2143.5	2141.4	2142.1	2142.1	2144.8
7.5°	2134.6	2133.9	2133.9	2133.2	2135.3
10°	2124.3	2123.0	2123.6	2123.0	2124.3
12.5°	2108.6	2108.6	2109.3	2107.2	2108.6
15°	2086.1	2087.4	2088.8	2085.4	2085.4
17.5°	2057.3	2060.8	2064.2	2058.0	2054.6
20°	2019.1	2027.3	2035.5	2025.9	2017.7
22.5°	1974.6	1988.3	2000.6	1985.6	1974.6
25°	1924.7	1941.8	1956.2	1938.4	1923.4
27.5°	1870.7	1889.9	1903.6	1888.5	1868.0
30°	1812.0	1835.2	1847.5	1833.2	1809.2
32.5°	1749.1	1776.4	1783.9	1775.1	1747.7
35°	1684.2	1714.2	1717.6	1711.5	1684.2
37.5°	1616.5	1645.2	1647.9	1644.5	1616.5
40°	1545.4	1572.1	1572.7	1572.7	1545.4
42.5°	1469.5	1495.5	1495.5	1494.8	1471.6
45°	1388.9	1414.2	1416.2	1414.9	1390.9
47.5°	1308.9	1328.0	1331.5	1328.7	1307.5
50°	1219.4	1239.2	1243.3	1240.6	1224.2
52.5°	1130.5	1149.0	1153.1	1151.0	1132.6
55°	1037.6	1055.3	1058.1	1056.0	1037.6
57.5°	948.0	959.6	962.4	958.3	935.0
60°	843.4	859.8	864.6	859.8	838.0
62.5°	742.3	760.1	764.2	757.3	734.1
65°	639.8	657.5	662.3	656.8	631.6
67.5°	542.7	555.7	559.8	553.6	530.4
70°	442.9	459.3	458.6	450.4	429.9
72.5°	344.5	367.0	362.9	358.2	335.6
75°	265.9	276.1	273.4	270.7	252.2
77.5°	190.0	202.3	195.5	196.2	180.4
80°	127.8	139.4	132.6	129.9	121.7
82.5°	81.3	86.1	84.8	83.4	75.9
85°	42.4	45.1	43.7	42.4	39.6
87.5°	16.4	17.8	16.4	16.4	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)