

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: P412886

Luminaire Tested: **24PD-60-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PP3-L840
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

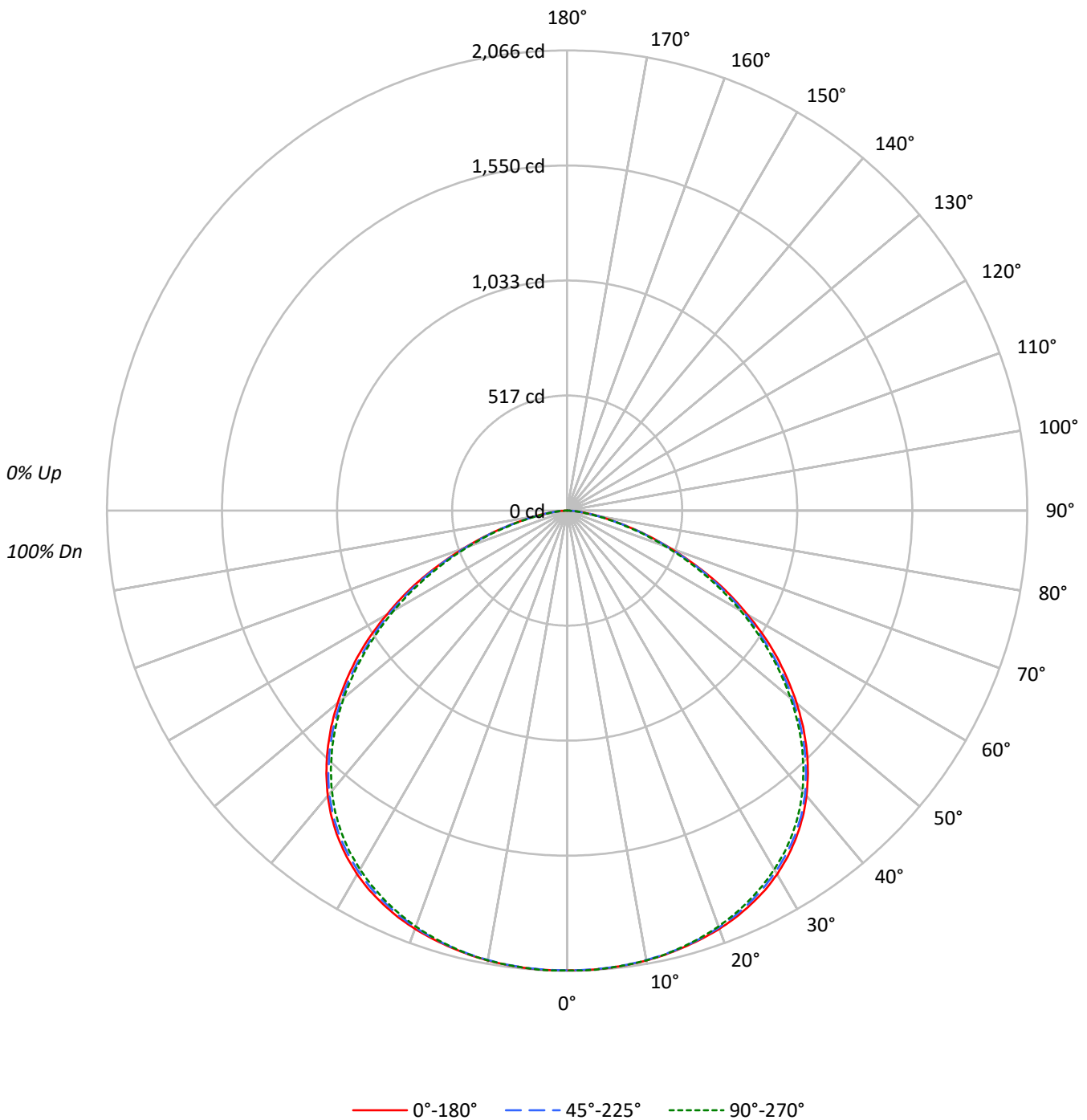
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6007.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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

TEST NUMBER: P412886
CATALOG NUMBER: 24PD-60-PP3-L840

Luminous Intensity Polar Plot





TEST NUMBER: P412886

CATALOG NUMBER: 24PD-60-PP3-L840

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	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
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°	2778	2778	2778
5°	2785	2784	2786
10°	2802	2799	2802
15°	2827	2823	2821
20°	2861	2852	2845
25°	2897	2882	2869
30°	2929	2909	2890
35°	2945	2927	2901
40°	2937	2920	2887
45°	2896	2867	2835
50°	2816	2771	2742
55°	2700	2635	2601
60°	2515	2472	2421
65°	2280	2234	2169
70°	1946	1910	1849
75°	1520	1504	1432
80°	1121	1075	1014
85°	676	676	630



TEST NUMBER: P412886

CATALOG NUMBER: 24PD-60-PP3-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	3.3
10°-20°	573.1	9.5
20°-30°	895.8	14.9
30°-40°	1113.3	18.5
40°-50°	1160.0	19.3
50°-60°	1006.6	16.8
60°-70°	692.1	11.5
70°-80°	312.3	5.2
80°-90°	57.2	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°	1665.4	27.7
0°-40°	2778.7	46.3
0°-60°	4945.3	82.3
0°-90°	6007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2064	2064	2064	2064	2064	
5°	2062	2063	2061	2060	2063	196
15°	2030	2030	2027	2025	2025	574
25°	1952	1951	1941	1934	1932	900
35°	1793	1793	1782	1772	1766	1120
45°	1522	1522	1507	1495	1490	1171
55°	1151	1144	1123	1110	1109	1026
65°	716	713	702	685	681	707
75°	292	294	289	282	276	318
85°	44	43	44	43	41	59
90°	0	0	0	0	0	



TEST NUMBER: P412886

CATALOG NUMBER: 24PD-60-PP3-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2064.4	2064.4	2064.4	2064.4	2064.4
2.5°	2065.0	2065.0	2063.8	2062.0	2066.2
5°	2062.0	2062.6	2061.4	2059.6	2062.6
7.5°	2057.8	2058.4	2056.6	2054.8	2057.2
10°	2051.2	2050.6	2048.8	2047.6	2050.6
12.5°	2041.6	2041.0	2039.2	2038.0	2040.4
15°	2029.6	2029.6	2026.6	2024.8	2025.4
17.5°	2015.2	2015.2	2011.0	2006.8	2008.0
20°	1998.4	1997.8	1991.8	1987.6	1987.0
22.5°	1977.4	1977.4	1969.0	1963.6	1961.8
25°	1951.6	1951.0	1941.4	1933.6	1932.4
27.5°	1922.2	1921.0	1909.6	1901.7	1898.7
30°	1885.5	1884.3	1872.3	1863.9	1860.3
32.5°	1842.3	1844.1	1830.3	1820.7	1817.1
35°	1793.1	1793.1	1782.3	1772.1	1766.1
37.5°	1736.7	1736.7	1726.5	1716.3	1709.1
40°	1672.4	1673.0	1662.2	1649.6	1643.6
42.5°	1600.4	1601.6	1587.2	1577.0	1570.4
45°	1521.8	1522.4	1506.8	1495.3	1489.9
47.5°	1436.5	1435.3	1417.9	1408.3	1402.9
50°	1345.3	1342.9	1323.7	1314.7	1309.9
52.5°	1249.8	1245.0	1228.2	1215.0	1210.8
55°	1150.8	1144.2	1123.2	1110.0	1108.8
57.5°	1047.5	1039.7	1022.3	1009.7	1004.9
60°	934.7	932.9	918.5	903.5	899.8
62.5°	829.0	823.6	811.0	793.0	791.2
65°	716.2	713.2	701.8	684.9	681.3
67.5°	599.7	602.7	593.1	578.1	573.3
70°	494.6	496.4	485.6	471.8	470.0
72.5°	389.0	392.0	383.0	374.0	372.2
75°	292.3	293.5	289.3	281.5	275.5
77.5°	207.7	211.9	207.1	201.7	196.9
80°	144.7	138.1	138.7	136.3	130.9
82.5°	87.0	84.0	83.4	81.0	78.6
85°	43.8	43.2	43.8	43.2	40.8
87.5°	14.4	15.6	16.2	16.2	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)