

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: P413229

Luminaire Tested: **24PD-60-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PC3-L850
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

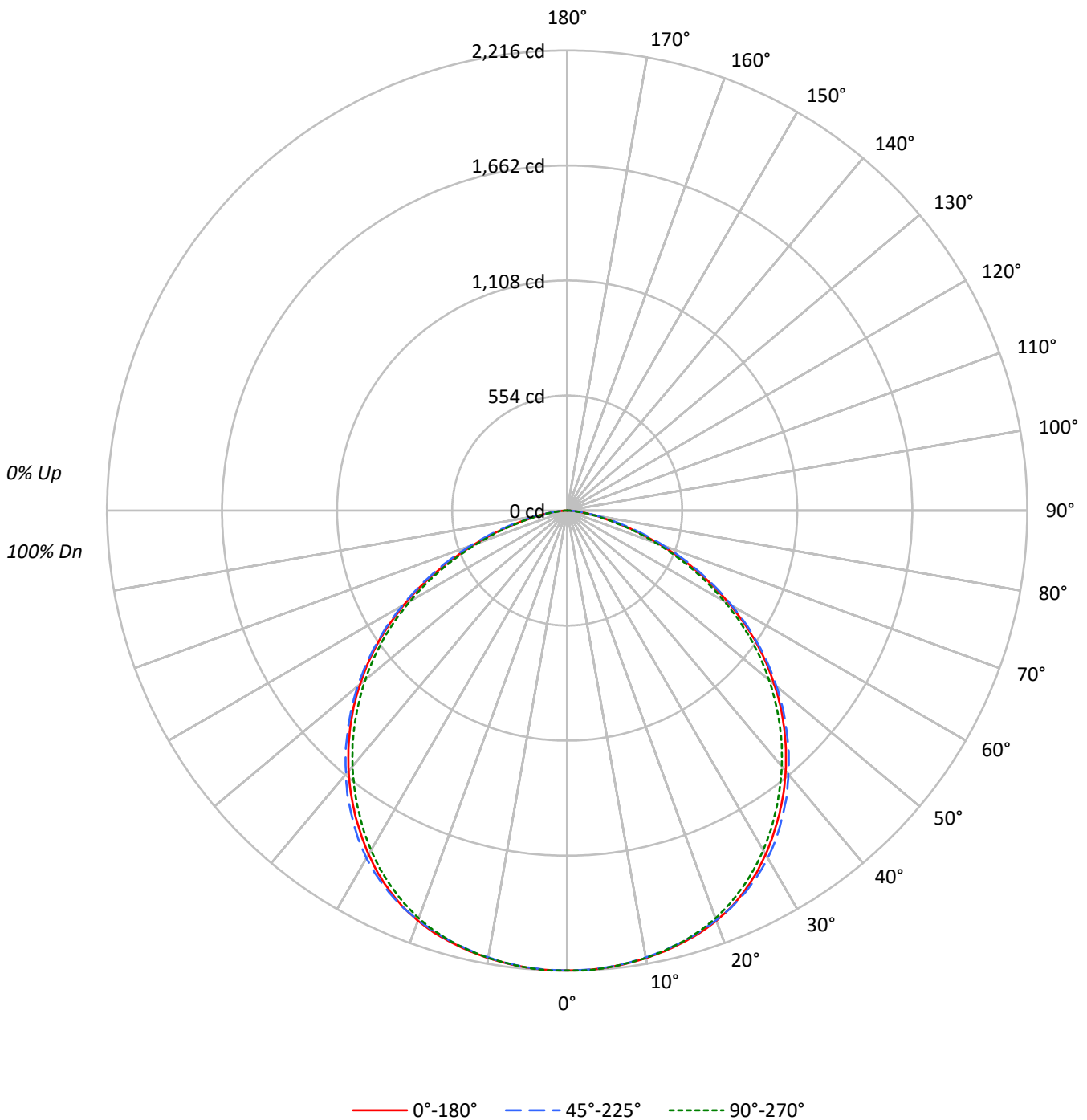
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6054.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
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: P413229
CATALOG NUMBER: 24PD-60-PC3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P413229

CATALOG NUMBER: 24PD-60-PC3-L850

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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2980	2980	2980
5°	2984	2982	2985
10°	2990	2986	2988
15°	3000	2994	2995
20°	3010	3005	2992
25°	3001	3012	2970
30°	2971	3003	2934
35°	2927	2965	2883
40°	2876	2911	2824
45°	2811	2841	2753
50°	2724	2755	2657
55°	2612	2635	2534
60°	2439	2467	2354
65°	2197	2252	2111
70°	1866	1948	1791
75°	1445	1550	1378
80°	1075	1122	975
85°	662	710	616



TEST NUMBER: P413229

CATALOG NUMBER: 24PD-60-PC3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	3.5
10°-20°	607.4	10.0
20°-30°	930.2	15.4
30°-40°	1119.0	18.5
40°-50°	1141.1	18.8
50°-60°	989.3	16.3
60°-70°	685.8	11.3
70°-80°	313.2	5.2
80°-90°	57.9	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°	1747.7	28.9
0°-40°	2866.7	47.4
0°-60°	4997.1	82.5
0°-90°	6054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6054.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2215	2215	2215	2215	2215	
5°	2209	2209	2208	2207	2210	210
15°	2154	2153	2149	2147	2150	608
25°	2022	2027	2029	2011	2001	931
35°	1782	1801	1805	1782	1755	1114
45°	1477	1496	1493	1473	1447	1139
55°	1114	1120	1123	1096	1080	992
65°	690	705	707	684	663	682
75°	278	293	298	288	265	304
85°	43	44	46	44	40	58
90°	0	0	0	0	0	



TEST NUMBER: P413229

CATALOG NUMBER: 24PD-60-PC3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2214.9	2214.9	2214.9	2214.9	2214.9
2.5°	2214.9	2214.9	2213.6	2212.4	2216.1
5°	2209.3	2209.3	2208.1	2206.9	2210.0
7.5°	2200.8	2200.1	2198.9	2197.7	2199.5
10°	2188.5	2187.9	2185.4	2184.8	2187.3
12.5°	2173.1	2172.5	2168.8	2168.8	2170.7
15°	2153.5	2152.9	2149.2	2147.4	2149.8
17.5°	2131.4	2130.8	2126.5	2121.6	2122.8
20°	2102.0	2102.0	2098.9	2091.5	2089.7
22.5°	2066.4	2068.2	2068.2	2054.1	2048.6
25°	2021.6	2027.1	2029.0	2011.2	2000.7
27.5°	1970.7	1979.3	1984.2	1961.5	1948.0
30°	1912.4	1926.5	1932.6	1908.1	1888.5
32.5°	1848.6	1866.4	1873.7	1849.8	1824.7
35°	1782.3	1801.3	1805.0	1781.7	1755.3
37.5°	1711.8	1731.4	1736.3	1715.4	1682.9
40°	1637.5	1657.2	1657.2	1640.0	1608.1
42.5°	1559.0	1579.9	1579.2	1558.4	1529.5
45°	1477.4	1495.8	1493.3	1473.1	1446.7
47.5°	1393.3	1405.0	1408.1	1384.1	1359.0
50°	1301.3	1313.0	1316.0	1289.0	1269.4
52.5°	1210.5	1217.9	1222.2	1190.9	1176.8
55°	1113.6	1120.3	1123.4	1095.8	1080.4
57.5°	1011.1	1019.7	1023.4	995.8	978.6
60°	906.2	915.4	916.6	890.9	874.9
62.5°	799.4	811.7	814.2	788.4	769.4
65°	690.2	705.0	707.4	683.5	663.2
67.5°	581.0	600.7	601.3	581.6	557.7
70°	474.3	495.7	495.1	478.6	455.2
72.5°	372.4	392.0	396.3	381.0	358.3
75°	277.9	293.3	298.2	288.4	265.0
77.5°	197.6	211.7	216.0	206.8	189.6
80°	138.7	139.3	144.8	137.4	125.8
82.5°	85.9	84.7	86.5	83.4	76.7
85°	42.9	44.2	46.0	43.6	39.9
87.5°	14.7	15.3	16.6	16.6	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)