

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: CORELITE

Report Number: P412542

Luminaire Tested: **24PD-60-PB1-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PB1-L830
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

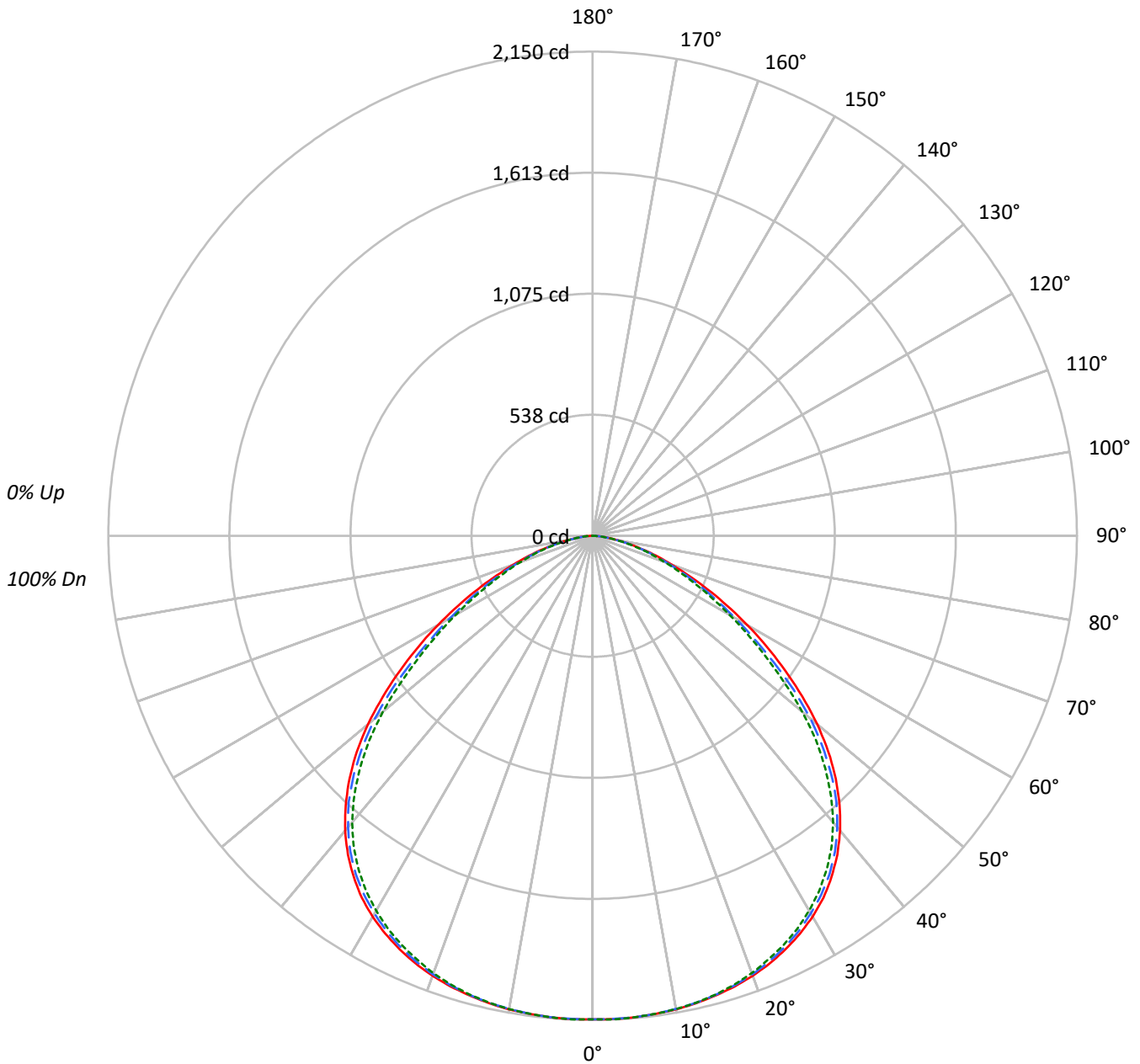
Lumens per Lamp: N/A
Luminaire Lumens: 5713.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
Input Voltage (V): NR
Input Current (A_{in}): 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: P412542

CATALOG NUMBER: 24PD-60-PB1-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73				73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63				63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54				54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47				47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41				41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37				37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30				30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2889	2889	2889
5°	2898	2898	2898
10°	2918	2915	2915
15°	2944	2940	2938
20°	2977	2967	2959
25°	3008	2993	2976
30°	3034	3009	2986
35°	3038	3012	2974
40°	3002	2967	2918
45°	2905	2852	2778
50°	2724	2640	2543
55°	2448	2303	2208
60°	2132	1962	1887
65°	1794	1659	1587
70°	1462	1388	1332
75°	1171	1130	1083
80°	900	829	807
85°	562	545	545



TEST NUMBER: P412542

CATALOG NUMBER: 24PD-60-PB1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	3.6
10°-20°	596.6	10.4
20°-30°	929.5	16.3
30°-40°	1143.5	20.0
40°-50°	1148.6	20.1
50°-60°	885.2	15.5
60°-70°	525.5	9.2
70°-80°	234.0	4.1
80°-90°	45.7	0.8
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°	1730.6	30.3
0°-40°	2874.0	50.3
0°-60°	4907.8	85.9
0°-90°	5713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2147	2147	2147	2147	2147	
5°	2146	2146	2146	2144	2146	204
15°	2113	2113	2111	2107	2109	598
25°	2026	2026	2016	2007	2005	935
35°	1849	1847	1834	1818	1811	1155
45°	1527	1523	1499	1474	1460	1172
55°	1044	1024	982	952	941	933
65°	563	539	521	501	498	563
75°	225	221	217	210	208	244
85°	36	35	35	34	35	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2147.0	2147.0	2147.0	2147.0	2147.0
2.5°	2148.2	2147.6	2147.6	2145.3	2149.9
5°	2145.9	2146.4	2145.9	2143.6	2145.9
7.5°	2141.3	2141.9	2140.8	2138.5	2140.8
10°	2135.6	2135.6	2133.4	2132.2	2133.9
12.5°	2126.0	2126.0	2123.7	2122.0	2123.7
15°	2113.4	2113.4	2110.6	2107.2	2108.9
17.5°	2098.1	2098.1	2093.5	2089.0	2090.1
20°	2079.3	2078.7	2072.5	2066.2	2066.8
22.5°	2055.4	2054.8	2046.9	2039.5	2037.2
25°	2026.4	2025.8	2016.1	2007.0	2004.8
27.5°	1992.8	1990.5	1979.7	1969.5	1967.2
30°	1953.0	1951.3	1937.0	1926.8	1922.2
32.5°	1906.9	1902.3	1889.2	1876.7	1870.5
35°	1849.4	1846.6	1833.5	1818.1	1810.7
37.5°	1784.5	1781.7	1767.5	1750.4	1741.9
40°	1709.4	1707.1	1689.5	1671.9	1661.1
42.5°	1622.9	1621.2	1602.4	1578.0	1566.6
45°	1526.8	1522.8	1498.9	1473.8	1460.2
47.5°	1419.8	1412.9	1383.9	1360.0	1345.2
50°	1301.4	1292.3	1261.0	1230.3	1214.9
52.5°	1173.4	1157.4	1125.0	1089.7	1074.9
55°	1043.6	1023.7	981.6	952.0	941.2
57.5°	916.7	887.7	847.9	826.8	816.0
60°	792.1	760.2	729.0	708.5	701.1
62.5°	673.2	646.4	619.7	599.2	594.7
65°	563.4	538.9	521.2	501.3	498.5
67.5°	460.9	449.5	433.6	416.5	414.3
70°	371.6	367.0	352.8	342.6	338.6
72.5°	296.5	291.9	281.7	274.3	273.1
75°	225.3	220.8	217.4	210.0	208.3
77.5°	160.5	161.0	158.2	154.2	155.4
80°	116.1	109.3	107.0	104.7	104.1
82.5°	71.1	67.1	65.4	64.9	66.0
85°	36.4	34.7	35.3	33.6	35.3
87.5°	12.5	12.5	13.1	12.5	13.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)