

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: P412347

Luminaire Tested: **14PD-60-PB1-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PB1-L850
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

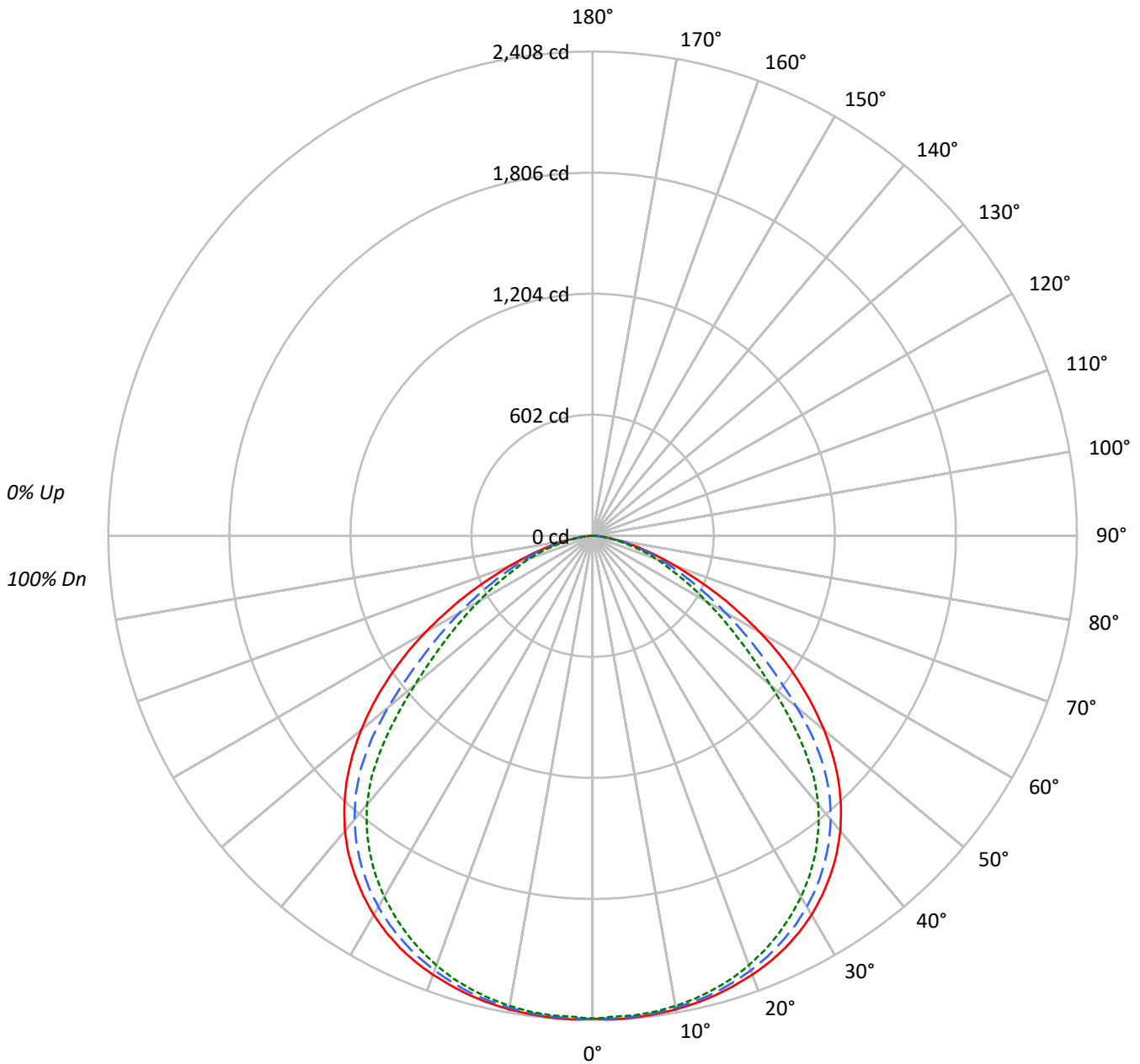
Lumens per Lamp: N/A
Luminaire Lumens: 6191.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63																			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6463	6463	6463
5°	6496	6482	6465
10°	6535	6512	6487
15°	6588	6554	6505
20°	6651	6586	6507
25°	6720	6613	6488
30°	6764	6620	6441
35°	6770	6584	6341
40°	6730	6470	6131
45°	6583	6189	5630
50°	6292	5543	4825
55°	5827	4752	4121
60°	5175	4080	3522
65°	4343	3480	3016
70°	3443	2958	2659
75°	2692	2414	2115
80°	2005	1799	1624
85°	1331	1173	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	3.7
10°-20°	663.7	10.7
20°-30°	1024.9	16.6
30°-40°	1247.4	20.1
40°-50°	1234.4	19.9
50°-60°	930.0	15.0
60°-70°	558.8	9.0
70°-80°	251.9	4.1
80°-90°	51.6	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°	1917.0	31.0
0°-40°	3164.4	51.1
0°-60°	5328.7	86.1
0°-90°	6191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2402	2402	2402	2402	2402	
5°	2405	2396	2400	2398	2394	229
15°	2365	2354	2352	2343	2335	668
25°	2263	2246	2227	2197	2185	1043
35°	2061	2038	2004	1955	1930	1288
45°	1730	1700	1626	1526	1479	1329
55°	1242	1155	1013	914	878	1106
65°	682	618	546	489	474	678
75°	259	246	232	211	203	282
85°	43	44	38	36	35	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2401.7	2401.7	2401.7	2401.7	2401.7
2.5°	2407.9	2397.6	2402.8	2401.7	2393.5
5°	2404.8	2395.6	2399.7	2397.6	2393.5
7.5°	2399.7	2390.4	2393.5	2390.4	2386.3
10°	2391.5	2381.2	2383.3	2377.1	2374.0
12.5°	2380.2	2367.8	2369.9	2361.7	2357.6
15°	2364.8	2353.5	2352.4	2343.2	2335.0
17.5°	2345.2	2333.9	2327.8	2317.5	2308.3
20°	2322.6	2308.3	2300.0	2281.6	2272.3
22.5°	2295.9	2280.5	2267.2	2241.5	2232.2
25°	2263.1	2245.6	2227.1	2197.3	2185.0
27.5°	2223.0	2204.5	2182.9	2150.1	2131.6
30°	2176.8	2157.3	2130.5	2092.5	2073.0
32.5°	2122.3	2100.8	2072.0	2026.8	2006.2
35°	2060.7	2038.1	2004.2	1954.9	1930.2
37.5°	1993.9	1968.2	1928.2	1868.6	1843.9
40°	1915.8	1890.2	1841.9	1773.1	1745.3
42.5°	1827.5	1801.8	1743.3	1661.1	1627.2
45°	1729.9	1700.1	1626.2	1526.5	1479.3
47.5°	1621.0	1583.0	1486.5	1364.2	1317.0
50°	1502.9	1452.6	1324.1	1198.8	1152.6
52.5°	1374.5	1310.8	1162.9	1050.9	1006.7
55°	1242.0	1154.6	1012.9	914.3	878.3
57.5°	1104.3	999.5	881.4	795.1	761.2
60°	961.5	859.8	758.1	679.0	654.4
62.5°	815.6	732.4	648.2	575.3	561.9
65°	682.1	618.4	546.5	489.0	473.6
67.5°	547.5	511.6	456.1	417.1	399.6
70°	437.6	414.0	376.0	344.1	338.0
72.5°	342.1	326.7	312.3	284.6	273.3
75°	258.9	245.5	232.2	210.6	203.4
77.5°	187.0	181.8	170.5	156.1	153.1
80°	129.4	129.4	116.1	107.9	104.8
82.5°	80.1	87.3	72.9	67.8	64.7
85°	43.1	44.2	38.0	36.0	34.9
87.5°	16.4	18.5	17.5	14.4	14.4
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)