

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: P412352

Luminaire Tested: **14PD-60-PB1-L950**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412352
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-L950
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

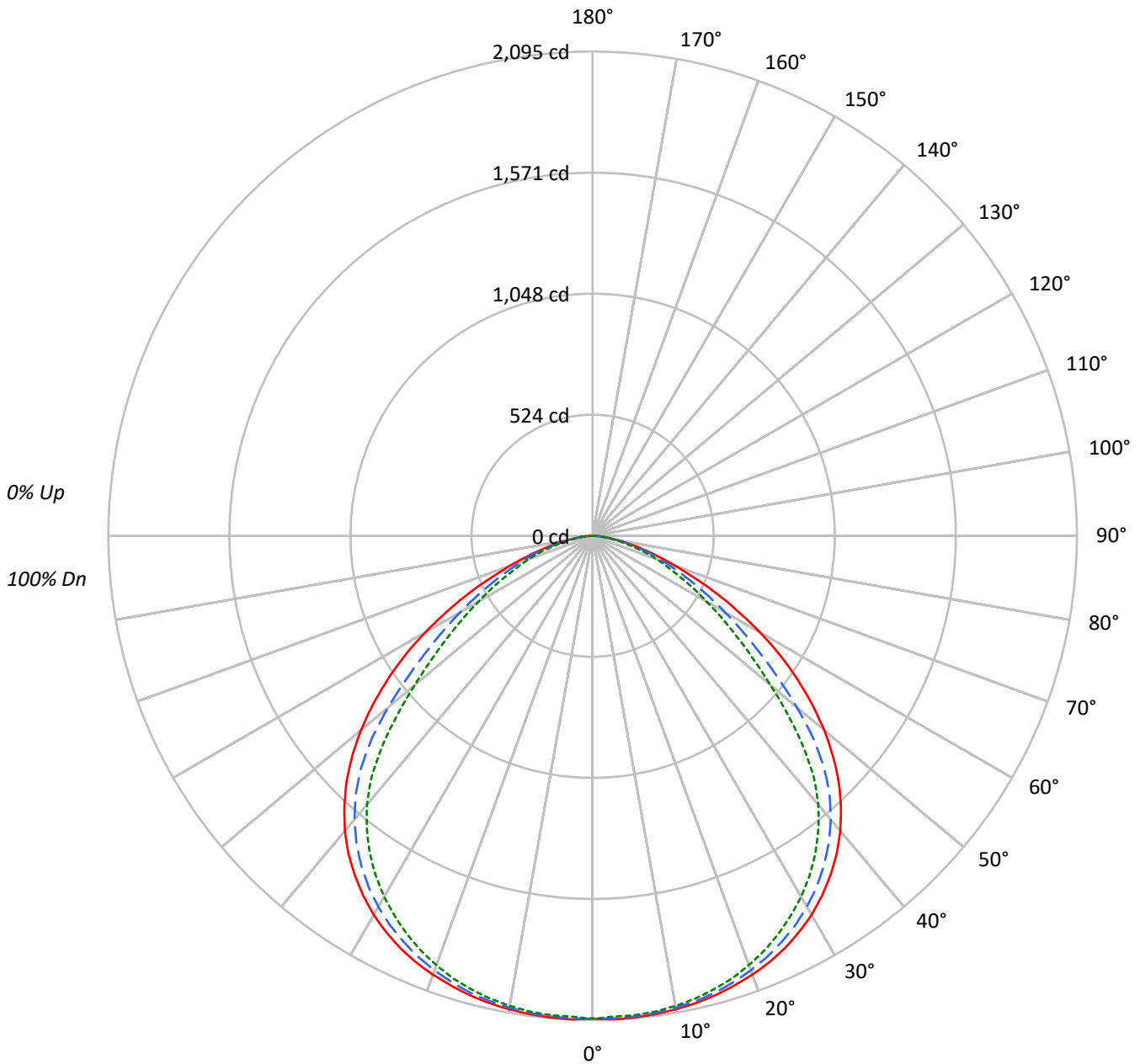
Lumens per Lamp: N/A
Luminaire Lumens: 5386.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5623	5623	5623
5°	5651	5639	5625
10°	5685	5666	5643
15°	5731	5702	5659
20°	5786	5730	5661
25°	5846	5753	5644
30°	5884	5759	5604
35°	5889	5728	5516
40°	5855	5629	5334
45°	5727	5384	4897
50°	5474	4823	4198
55°	5069	4134	3585
60°	4502	3549	3064
65°	3778	3027	2623
70°	2995	2574	2313
75°	2341	2100	1840
80°	1745	1565	1413
85°	1158	1022	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	3.7
10°-20°	577.4	10.7
20°-30°	891.7	16.6
30°-40°	1085.2	20.1
40°-50°	1073.9	19.9
50°-60°	809.1	15.0
60°-70°	486.2	9.0
70°-80°	219.1	4.1
80°-90°	44.9	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°	1667.7	31.0
0°-40°	2752.9	51.1
0°-60°	4635.8	86.1
0°-90°	5386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2089	2089	2089	2089	2089	
5°	2092	2084	2088	2086	2082	199
15°	2057	2047	2047	2038	2031	582
25°	1969	1954	1938	1912	1901	907
35°	1793	1773	1744	1701	1679	1121
45°	1505	1479	1415	1328	1287	1156
55°	1080	1004	881	795	764	962
65°	593	538	475	425	412	590
75°	225	214	202	183	177	245
85°	38	38	33	31	30	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2089.4	2089.4	2089.4	2089.4	2089.4
2.5°	2094.8	2085.9	2090.3	2089.4	2082.3
5°	2092.1	2084.1	2087.7	2085.9	2082.3
7.5°	2087.7	2079.6	2082.3	2079.6	2076.0
10°	2080.5	2071.6	2073.4	2068.0	2065.3
12.5°	2070.7	2060.0	2061.7	2054.6	2051.0
15°	2057.3	2047.4	2046.6	2038.5	2031.4
17.5°	2040.3	2030.5	2025.1	2016.2	2008.1
20°	2020.6	2008.1	2001.0	1984.9	1976.8
22.5°	1997.4	1984.0	1972.4	1950.0	1942.0
25°	1968.8	1953.6	1937.5	1911.6	1900.9
27.5°	1933.9	1917.9	1899.1	1870.5	1854.4
30°	1893.7	1876.8	1853.5	1820.4	1803.5
32.5°	1846.4	1827.6	1802.6	1763.3	1745.4
35°	1792.7	1773.1	1743.6	1700.7	1679.2
37.5°	1734.7	1712.3	1677.5	1625.6	1604.2
40°	1666.7	1644.4	1602.4	1542.5	1518.4
42.5°	1589.9	1567.5	1516.6	1445.1	1415.6
45°	1505.0	1479.1	1414.7	1328.0	1286.9
47.5°	1410.2	1377.2	1293.2	1186.8	1145.7
50°	1307.5	1263.7	1152.0	1042.9	1002.7
52.5°	1195.8	1140.3	1011.7	914.2	875.8
55°	1080.5	1004.5	881.2	795.4	764.1
57.5°	960.7	869.6	766.8	691.7	662.2
60°	836.5	748.0	659.5	590.7	569.3
62.5°	709.6	637.2	563.9	500.5	488.8
65°	593.4	538.0	475.4	425.4	412.0
67.5°	476.3	445.1	396.8	362.8	347.6
70°	380.7	360.2	327.1	299.4	294.0
72.5°	297.6	284.2	271.7	247.6	237.7
75°	225.2	213.6	202.0	183.2	177.0
77.5°	162.7	158.2	148.4	135.8	133.2
80°	112.6	112.6	101.0	93.8	91.2
82.5°	69.7	76.0	63.5	59.0	56.3
85°	37.5	38.4	33.1	31.3	30.4
87.5°	14.3	16.1	15.2	12.5	12.5
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)