

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: P412689

Luminaire Tested: **14PD-60-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412689
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: CORELITE
Catalog Number: 14PD-60-PP3-L850
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

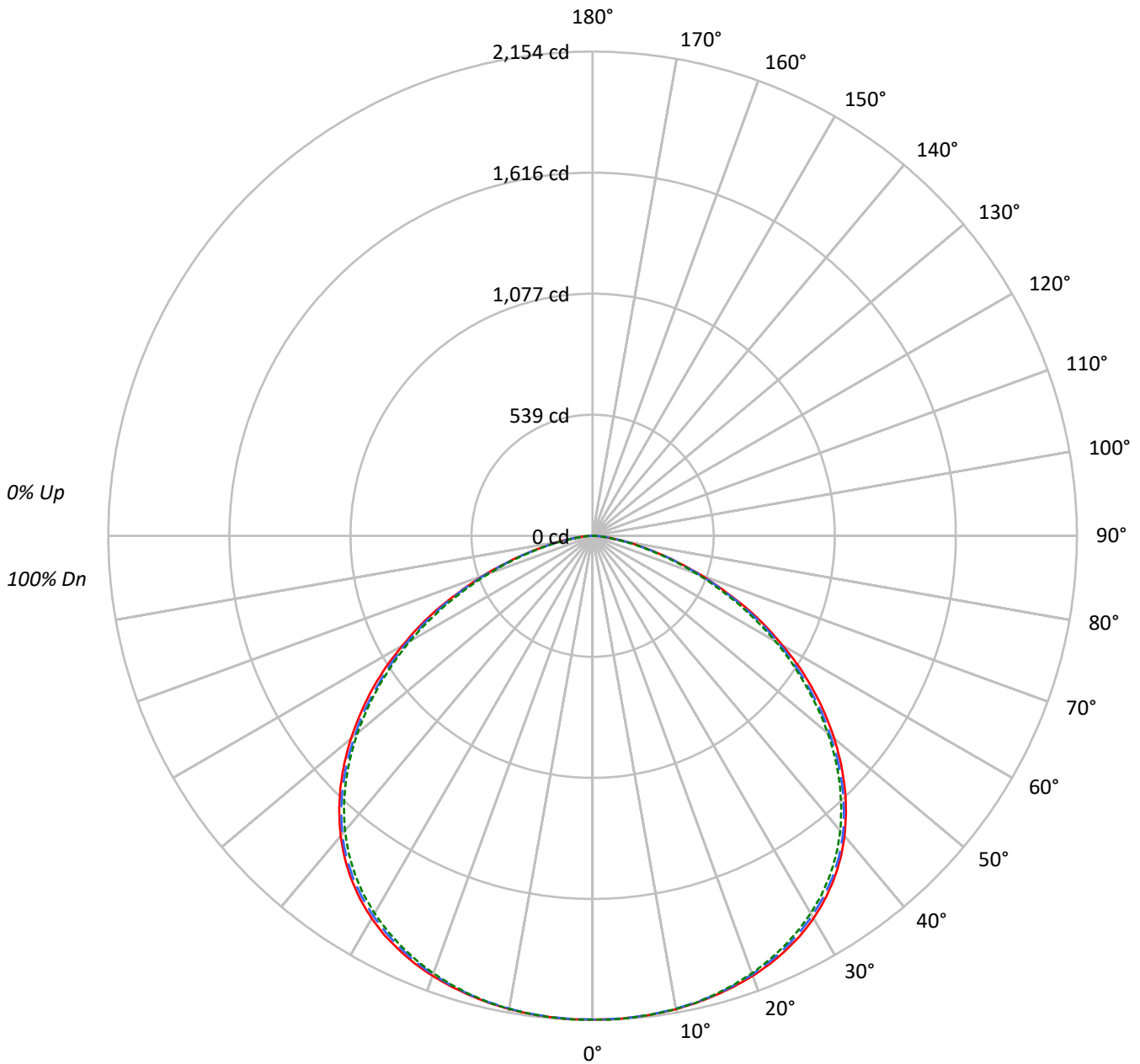
Lumens per Lamp: N/A
Luminaire Lumens: 6262.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	5791	5791	5791
5°	5807	5805	5808
10°	5843	5836	5841
15°	5894	5886	5882
20°	5966	5946	5932
25°	6040	6009	5981
30°	6108	6065	6026
35°	6140	6103	6048
40°	6124	6087	6019
45°	6037	5977	5911
50°	5871	5777	5717
55°	5628	5493	5423
60°	5244	5153	5048
65°	4754	4658	4523
70°	4057	3984	3855
75°	3169	3136	2986
80°	2337	2241	2114
85°	1411	1411	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	3.3
10°-20°	597.5	9.5
20°-30°	933.9	14.9
30°-40°	1160.6	18.5
40°-50°	1209.3	19.3
50°-60°	1049.3	16.8
60°-70°	721.5	11.5
70°-80°	325.6	5.2
80°-90°	59.7	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°	1736.1	27.7
0°-40°	2896.7	46.3
0°-60°	5155.2	82.3
0°-90°	6262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2150	2150	2149	2147	2150	205
15°	2116	2116	2113	2111	2111	598
25°	2034	2034	2024	2016	2014	938
35°	1869	1869	1858	1847	1841	1168
45°	1586	1587	1571	1559	1553	1221
55°	1200	1193	1171	1157	1156	1069
65°	747	743	732	714	710	737
75°	305	306	302	294	287	332
85°	46	45	46	45	43	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2152.1	2152.1	2152.1	2152.1	2152.1
2.5°	2152.7	2152.7	2151.4	2149.6	2153.9
5°	2149.6	2150.2	2148.9	2147.1	2150.2
7.5°	2145.2	2145.8	2143.9	2142.1	2144.6
10°	2138.3	2137.7	2135.8	2134.5	2137.7
12.5°	2128.3	2127.7	2125.8	2124.5	2127.0
15°	2115.8	2115.8	2112.6	2110.8	2111.4
17.5°	2100.8	2100.8	2096.4	2092.0	2093.2
20°	2083.2	2082.6	2076.3	2072.0	2071.3
22.5°	2061.3	2061.3	2052.6	2046.9	2045.1
25°	2034.4	2033.8	2023.8	2015.6	2014.4
27.5°	2003.8	2002.5	1990.6	1982.5	1979.4
30°	1965.6	1964.3	1951.8	1943.1	1939.3
32.5°	1920.5	1922.4	1908.0	1898.0	1894.2
35°	1869.2	1869.2	1857.9	1847.3	1841.1
37.5°	1810.4	1810.4	1799.8	1789.1	1781.6
40°	1743.4	1744.1	1732.8	1719.7	1713.4
42.5°	1668.3	1669.6	1654.6	1643.9	1637.0
45°	1586.4	1587.0	1570.7	1558.8	1553.2
47.5°	1497.5	1496.2	1478.1	1468.1	1462.5
50°	1402.4	1399.9	1379.9	1370.5	1365.5
52.5°	1302.9	1297.9	1280.4	1266.6	1262.2
55°	1199.6	1192.7	1170.8	1157.1	1155.8
57.5°	1092.0	1083.9	1065.7	1052.6	1047.6
60°	974.3	972.5	957.4	941.8	938.0
62.5°	864.2	858.6	845.4	826.7	824.8
65°	746.6	743.4	731.5	714.0	710.3
67.5°	625.2	628.3	618.3	602.6	597.6
70°	515.6	517.5	506.3	491.9	490.0
72.5°	405.5	408.6	399.2	389.9	388.0
75°	304.8	306.0	301.6	293.5	287.2
77.5°	216.5	220.9	215.9	210.3	205.3
80°	150.8	143.9	144.6	142.1	136.4
82.5°	90.7	87.6	87.0	84.5	82.0
85°	45.7	45.1	45.7	45.1	42.6
87.5°	15.0	16.3	16.9	16.9	15.6
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)