

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: P412345

Luminaire Tested: **14PD-60-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412345
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-L835
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

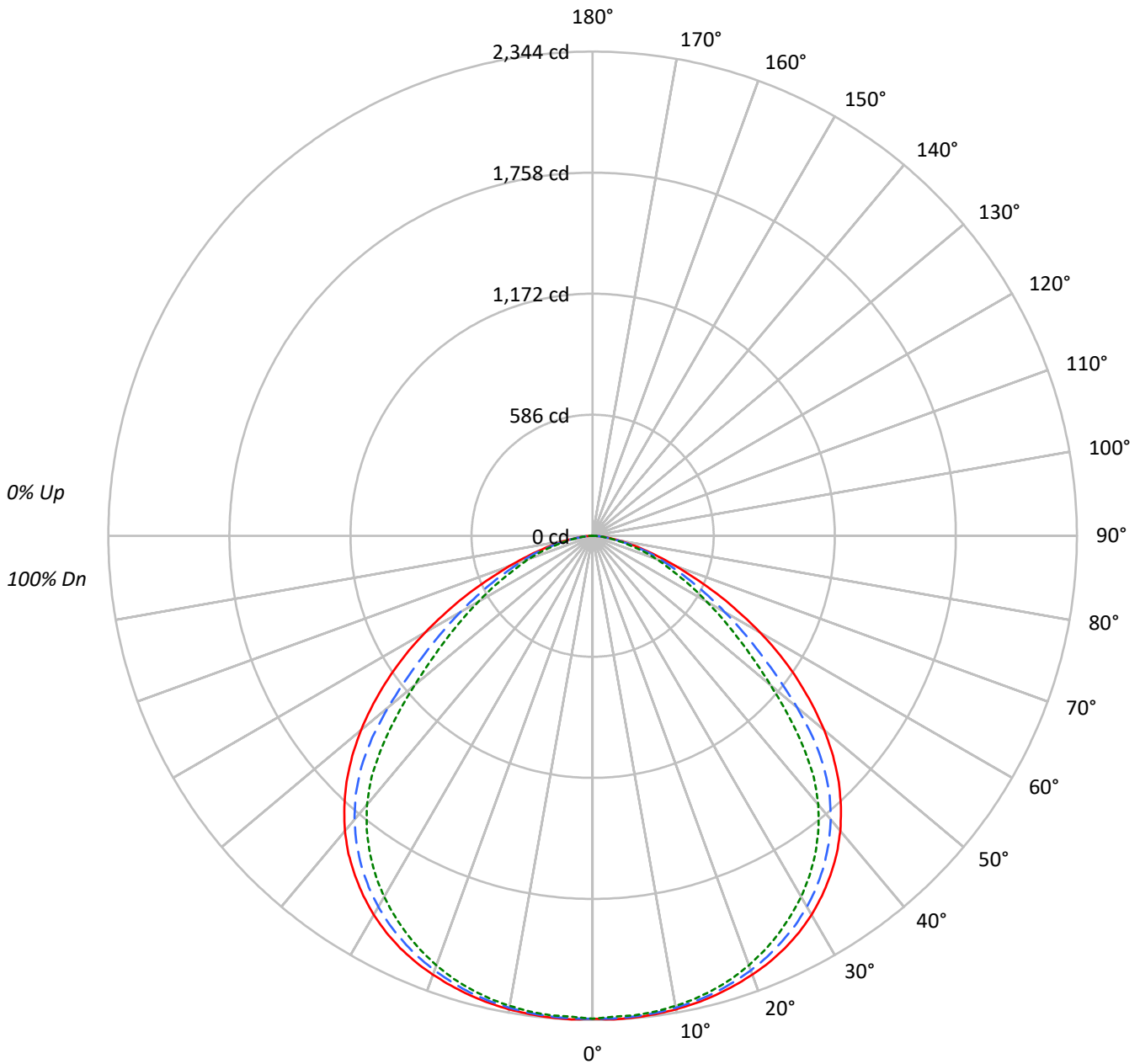
Lumens per Lamp: N/A
Luminaire Lumens: 6027.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6292	6292	6292
5°	6324	6310	6294
10°	6362	6340	6315
15°	6413	6380	6333
20°	6475	6412	6335
25°	6541	6437	6316
30°	6585	6445	6271
35°	6590	6410	6173
40°	6552	6299	5969
45°	6409	6025	5480
50°	6125	5397	4698
55°	5673	4626	4011
60°	5038	3972	3428
65°	4228	3387	2935
70°	3352	2880	2589
75°	2620	2350	2059
80°	1953	1751	1581
85°	1297	1142	1050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	3.7
10°-20°	646.1	10.7
20°-30°	997.8	16.6
30°-40°	1214.3	20.1
40°-50°	1201.7	19.9
50°-60°	905.4	15.0
60°-70°	544.0	9.0
70°-80°	245.2	4.1
80°-90°	50.2	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°	1866.2	31.0
0°-40°	3080.5	51.1
0°-60°	5187.6	86.1
0°-90°	6027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2341	2332	2336	2334	2330	223
15°	2302	2291	2290	2281	2273	651
25°	2203	2186	2168	2139	2127	1016
35°	2006	1984	1951	1903	1879	1254
45°	1684	1655	1583	1486	1440	1294
55°	1209	1124	986	890	855	1077
65°	664	602	532	476	461	660
75°	252	239	226	205	198	275
85°	42	43	37	35	34	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2338.1	2338.1	2338.1	2338.1	2338.1
2.5°	2344.1	2334.1	2339.1	2338.1	2330.1
5°	2341.1	2332.1	2336.1	2334.1	2330.1
7.5°	2336.1	2327.1	2330.1	2327.1	2323.1
10°	2328.1	2318.1	2320.1	2314.1	2311.1
12.5°	2317.1	2305.1	2307.1	2299.1	2295.1
15°	2302.1	2291.1	2290.1	2281.1	2273.1
17.5°	2283.1	2272.1	2266.1	2256.1	2247.1
20°	2261.1	2247.1	2239.1	2221.1	2212.1
22.5°	2235.1	2220.1	2207.1	2182.1	2173.1
25°	2203.1	2186.1	2168.1	2139.1	2127.1
27.5°	2164.1	2146.1	2125.1	2093.1	2075.1
30°	2119.1	2100.1	2074.1	2037.1	2018.1
32.5°	2066.1	2045.1	2017.1	1973.1	1953.1
35°	2006.1	1984.1	1951.1	1903.1	1879.1
37.5°	1941.1	1916.1	1877.1	1819.1	1795.1
40°	1865.1	1840.1	1793.1	1726.1	1699.1
42.5°	1779.1	1754.1	1697.1	1617.1	1584.1
45°	1684.1	1655.1	1583.1	1486.1	1440.1
47.5°	1578.1	1541.1	1447.1	1328.1	1282.1
50°	1463.1	1414.1	1289.1	1167.1	1122.1
52.5°	1338.1	1276.1	1132.1	1023.1	980.1
55°	1209.1	1124.1	986.1	890.0	855.0
57.5°	1075.1	973.0	858.0	774.0	741.0
60°	936.0	837.0	738.0	661.0	637.0
62.5°	794.0	713.0	631.0	560.0	547.0
65°	664.0	602.0	532.0	476.0	461.0
67.5°	533.0	498.0	444.0	406.0	389.0
70°	426.0	403.0	366.0	335.0	329.0
72.5°	333.0	318.0	304.0	277.0	266.0
75°	252.0	239.0	226.0	205.0	198.0
77.5°	182.0	177.0	166.0	152.0	149.0
80°	126.0	126.0	113.0	105.0	102.0
82.5°	78.0	85.0	71.0	66.0	63.0
85°	42.0	43.0	37.0	35.0	34.0
87.5°	16.0	18.0	17.0	14.0	14.0
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)