

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: P413029

Luminaire Tested: **14PD-60-PC3-L835**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PC3-L835  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

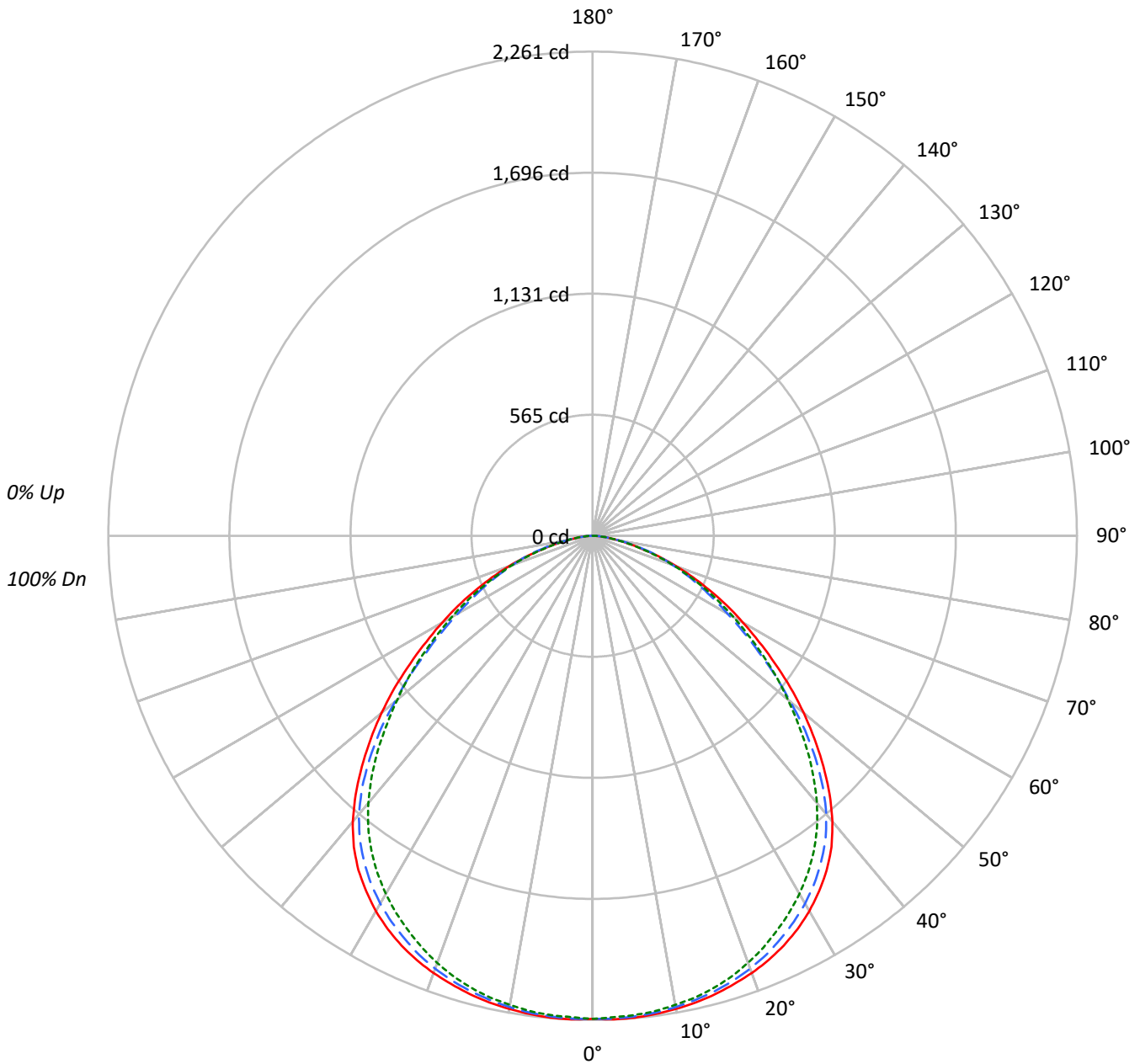
Lumens per Lamp: N/A  
Luminaire Lumens: 5830.1 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 59.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6071	6071	6071
5°	6102	6086	6069
10°	6131	6107	6077
15°	6173	6134	6090
20°	6223	6160	6077
25°	6268	6167	6042
30°	6289	6162	6000
35°	6261	6110	5913
40°	6119	5961	5722
45°	5800	5602	5396
50°	5384	5040	4982
55°	4875	4443	4541
60°	4359	3913	4085
65°	3846	3508	3629
70°	3273	3108	3131
75°	2516	2651	2443
80°	1844	1937	1829
85°	1235	1359	1328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.3	3.7
10°-20°	621.4	10.7
20°-30°	955.8	16.4
30°-40°	1156.6	19.8
40°-50°	1129.1	19.4
50°-60°	872.5	15.0
60°-70°	560.3	9.6
70°-80°	264.4	4.5
80°-90°	55.5	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°	1791.6	30.7
0°-40°	2948.2	50.6
0°-60°	4949.9	84.9
0°-90°	5830.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5830.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2256	2256	2256	2256	2256	
5°	2259	2249	2253	2251	2247	215
15°	2216	2205	2202	2194	2186	626
25°	2111	2094	2077	2050	2035	973
35°	1906	1886	1860	1818	1800	1188
45°	1524	1505	1472	1434	1418	1172
55°	1039	989	947	948	968	931
65°	604	568	551	545	570	601
75°	242	246	255	234	235	266
85°	40	46	44	43	43	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2260.9	2251.9	2256.9	2256.9	2249.9
5°	2258.9	2248.9	2252.9	2250.9	2246.9
7.5°	2252.9	2242.9	2245.9	2243.9	2238.9
10°	2243.9	2232.9	2234.9	2230.9	2223.9
12.5°	2231.9	2221.9	2219.9	2213.9	2208.9
15°	2215.9	2204.9	2201.9	2193.9	2186.0
17.5°	2194.9	2184.0	2179.0	2167.0	2158.0
20°	2173.0	2160.0	2151.0	2133.0	2122.0
22.5°	2145.0	2130.0	2118.0	2093.0	2082.0
25°	2111.0	2094.0	2077.0	2050.0	2035.0
27.5°	2071.0	2053.0	2033.0	2003.0	1986.0
30°	2024.0	2006.0	1983.0	1949.0	1931.0
32.5°	1968.0	1950.0	1926.0	1887.0	1869.0
35°	1906.0	1886.0	1860.0	1818.0	1800.0
37.5°	1832.0	1810.0	1786.0	1740.0	1721.0
40°	1742.0	1723.0	1697.0	1651.0	1629.0
42.5°	1638.0	1621.0	1592.0	1548.0	1527.0
45°	1524.0	1505.0	1472.0	1434.0	1418.0
47.5°	1405.0	1377.0	1345.0	1312.0	1303.0
50°	1286.0	1250.0	1204.0	1187.0	1190.0
52.5°	1164.0	1118.0	1078.0	1065.0	1080.0
55°	1039.0	989.0	947.0	948.0	968.0
57.5°	920.0	868.0	833.0	833.0	859.0
60°	810.0	762.0	727.0	726.0	759.0
62.5°	708.0	659.0	633.0	633.0	663.0
65°	604.0	568.0	551.0	545.0	570.0
67.5°	508.0	483.0	471.0	464.0	480.0
70°	416.0	400.0	395.0	387.0	398.0
72.5°	325.0	321.0	331.0	312.0	317.0
75°	242.0	246.0	255.0	234.0	235.0
77.5°	174.0	182.0	185.0	175.0	175.0
80°	119.0	129.0	125.0	120.0	118.0
82.5°	76.0	81.0	81.0	78.0	76.0
85°	40.0	46.0	44.0	43.0	43.0
87.5°	15.0	21.0	21.0	20.0	19.0
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)