

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: P412687

Luminaire Tested: **14PD-60-PP3-L835**

Issue Date: 9/15/2020



**Test Information**

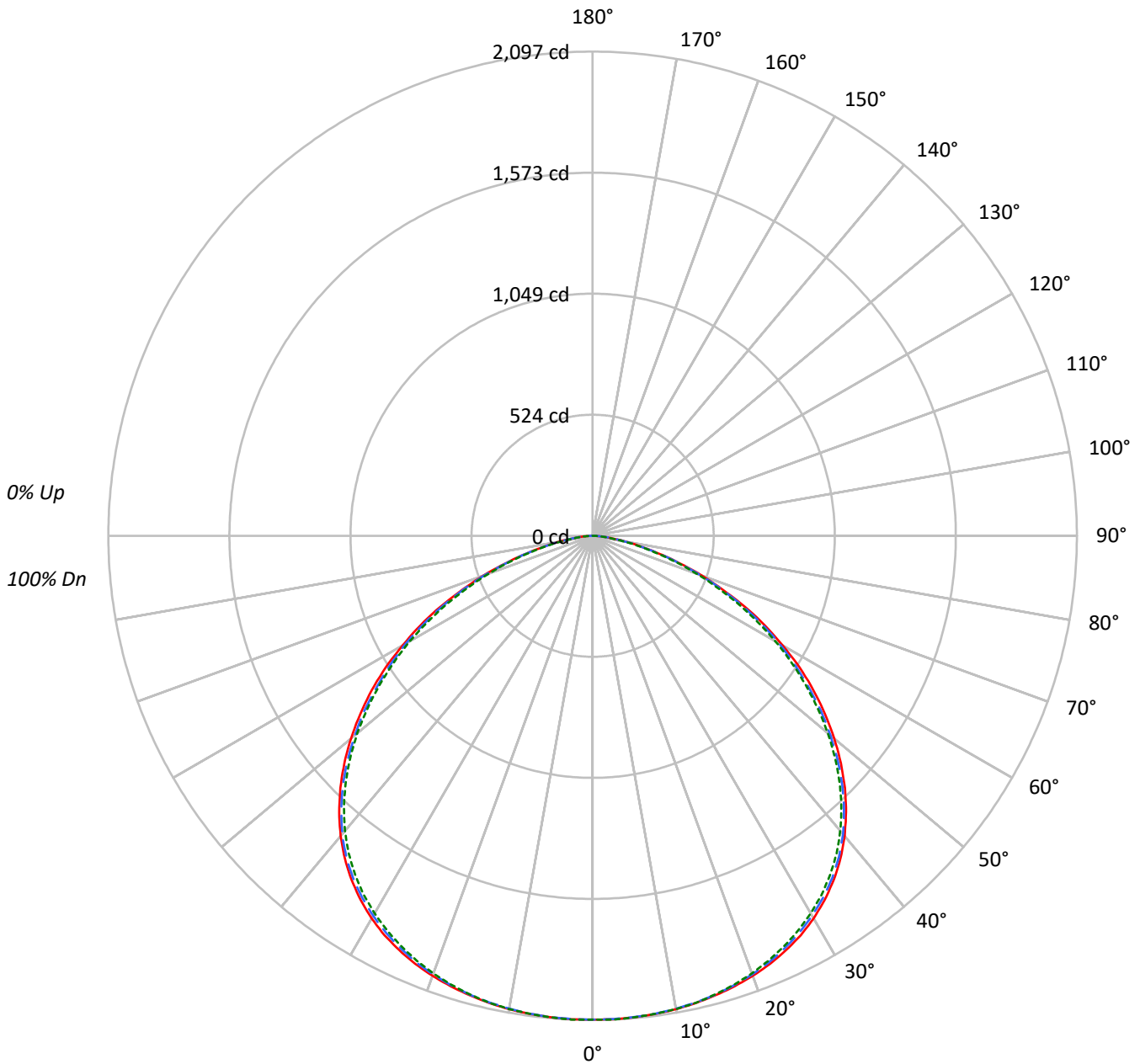
Test Method: LM-79-08  
Report Number: P412687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PP3-L835  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6097.0 lumens  
Efficiency: N/A  
Efficacy: 102.8 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<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

TEST NUMBER: P412687  
CATALOG NUMBER: 14PD-60-PP3-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P412687

CATALOG NUMBER: 14PD-60-PP3-L835

**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°	5639	5639	5639
5°	5653	5652	5655
10°	5689	5682	5687
15°	5739	5731	5727
20°	5808	5789	5775
25°	5881	5851	5823
30°	5947	5905	5867
35°	5979	5943	5889
40°	5963	5926	5860
45°	5878	5820	5755
50°	5716	5624	5566
55°	5480	5348	5280
60°	5106	5017	4915
65°	4628	4535	4403
70°	3950	3878	3754
75°	3085	3054	2908
80°	2275	2180	2058
85°	1374	1374	1278



TEST NUMBER: P412687

CATALOG NUMBER: 14PD-60-PP3-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.3	3.3
10°-20°	581.7	9.5
20°-30°	909.2	14.9
30°-40°	1130.0	18.5
40°-50°	1177.4	19.3
50°-60°	1021.7	16.8
60°-70°	702.5	11.5
70°-80°	317.0	5.2
80°-90°	58.1	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°	1690.3	27.7
0°-40°	2820.3	46.3
0°-60°	5019.4	82.3
0°-90°	6097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6097.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2095	2095	2095	2095	2095	
5°	2093	2094	2092	2090	2094	199
15°	2060	2060	2057	2055	2056	583
25°	1981	1980	1970	1962	1961	914
35°	1820	1820	1809	1799	1792	1137
45°	1545	1545	1529	1518	1512	1189
55°	1168	1161	1140	1127	1125	1041
65°	727	724	712	695	692	717
75°	297	298	294	286	280	323
85°	44	44	44	44	41	60
90°	0	0	0	0	0	



TEST NUMBER: P412687

CATALOG NUMBER: 14PD-60-PP3-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2095.4	2095.4	2095.4	2095.4	2095.4
2.5°	2096.0	2096.0	2094.8	2092.9	2097.2
5°	2092.9	2093.5	2092.3	2090.5	2093.5
7.5°	2088.7	2089.3	2087.4	2085.6	2088.0
10°	2082.0	2081.3	2079.5	2078.3	2081.3
12.5°	2072.2	2071.6	2069.8	2068.6	2071.0
15°	2060.0	2060.0	2057.0	2055.1	2055.8
17.5°	2045.4	2045.4	2041.1	2036.9	2038.1
20°	2028.3	2027.7	2021.6	2017.4	2016.8
22.5°	2007.0	2007.0	1998.5	1993.0	1991.2
25°	1980.8	1980.2	1970.5	1962.5	1961.3
27.5°	1951.0	1949.7	1938.2	1930.2	1927.2
30°	1913.8	1912.6	1900.4	1891.9	1888.2
32.5°	1869.9	1871.8	1857.7	1848.0	1844.3
35°	1820.0	1820.0	1809.0	1798.6	1792.5
37.5°	1762.7	1762.7	1752.3	1742.0	1734.7
40°	1697.5	1698.1	1687.1	1674.3	1668.2
42.5°	1624.4	1625.6	1611.0	1600.6	1593.9
45°	1544.6	1545.2	1529.3	1517.8	1512.3
47.5°	1458.0	1456.8	1439.2	1429.4	1423.9
50°	1365.4	1363.0	1343.5	1334.4	1329.5
52.5°	1268.5	1263.7	1246.6	1233.2	1228.9
55°	1168.0	1161.3	1140.0	1126.6	1125.4
57.5°	1063.2	1055.3	1037.6	1024.8	1020.0
60°	948.7	946.8	932.2	917.0	913.3
62.5°	841.4	836.0	823.2	804.9	803.0
65°	726.9	723.8	712.3	695.2	691.5
67.5°	608.7	611.7	602.0	586.7	581.9
70°	502.1	503.9	492.9	478.9	477.1
72.5°	394.8	397.9	388.7	379.6	377.8
75°	296.7	297.9	293.7	285.8	279.7
77.5°	210.8	215.1	210.2	204.7	199.8
80°	146.8	140.1	140.7	138.3	132.8
82.5°	88.3	85.3	84.7	82.3	79.8
85°	44.5	43.9	44.5	43.9	41.4
87.5°	14.6	15.8	16.5	16.5	15.2
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)