

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: P506035

Luminaire Tested: **14PD-60-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PR1-L835  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

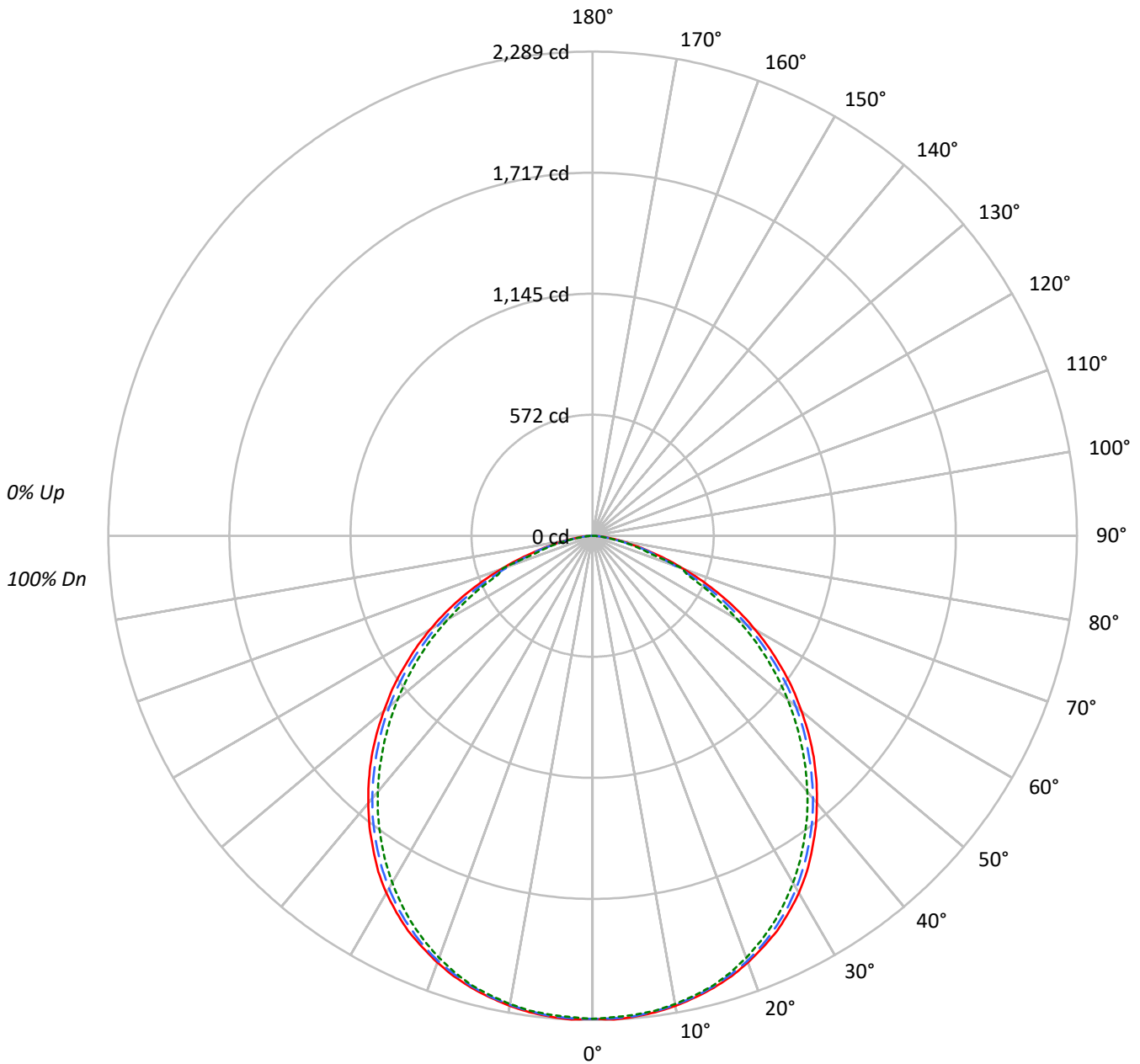
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5877.0 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	6145	6145	6145
5°	6166	6156	6141
10°	6166	6154	6141
15°	6164	6145	6132
20°	6148	6125	6080
25°	6122	6069	6001
30°	6059	5982	5887
35°	5941	5852	5733
40°	5793	5694	5547
45°	5622	5484	5312
50°	5389	5246	5033
55°	5126	4924	4691
60°	4773	4523	4243
65°	4285	3983	3724
70°	3604	3284	3551
75°	2775	2670	2399
80°	1998	1788	1700
85°	1223	1047	942



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.5	3.7
10°-20°	621.9	10.6
20°-30°	939.3	16.0
30°-40°	1111.3	18.9
40°-50°	1108.1	18.9
50°-60°	936.1	15.9
60°-70°	623.7	10.6
70°-80°	271.0	4.6
80°-90°	49.1	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°	1777.7	30.2
0°-40°	2889.0	49.2
0°-60°	4933.2	83.9
0°-90°	5877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5877.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2282	2274	2279	2277	2274	217
15°	2212	2202	2206	2202	2201	624
25°	2062	2048	2044	2026	2021	949
35°	1809	1796	1781	1758	1745	1131
45°	1477	1464	1441	1410	1396	1138
55°	1093	1085	1050	1016	1000	976
65°	673	665	626	598	585	665
75°	267	261	257	248	231	292
85°	40	41	34	32	30	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2283.6	2283.6	2283.6	2283.6	2283.6
2.5°	2289.3	2279.1	2283.6	2283.6	2278.0
5°	2282.5	2273.5	2279.1	2276.9	2273.5
7.5°	2272.3	2263.3	2266.7	2265.5	2264.4
10°	2256.5	2247.4	2252.0	2249.7	2247.4
12.5°	2236.1	2227.1	2231.6	2228.2	2226.0
15°	2212.4	2202.2	2205.6	2202.2	2201.1
17.5°	2183.0	2172.8	2173.9	2169.4	2164.9
20°	2146.8	2137.7	2138.9	2127.6	2123.0
22.5°	2104.9	2095.9	2094.8	2080.0	2074.4
25°	2062.0	2048.4	2043.9	2025.8	2021.2
27.5°	2007.7	1995.2	1988.4	1969.2	1960.2
30°	1950.0	1936.4	1925.1	1903.6	1894.6
32.5°	1884.4	1870.8	1856.1	1833.5	1823.3
35°	1808.6	1796.1	1781.4	1757.7	1745.3
37.5°	1732.8	1719.2	1704.5	1676.3	1666.1
40°	1649.1	1636.7	1620.8	1590.3	1579.0
42.5°	1565.4	1550.7	1531.5	1502.1	1489.6
45°	1477.2	1463.6	1441.0	1410.5	1395.7
47.5°	1384.4	1373.1	1349.4	1316.6	1300.7
50°	1287.2	1278.1	1253.2	1217.0	1202.3
52.5°	1194.4	1182.0	1153.7	1117.5	1101.7
55°	1092.6	1084.7	1049.6	1015.7	999.9
57.5°	990.8	980.6	945.6	911.6	896.9
60°	886.8	877.7	840.4	806.5	788.4
62.5°	781.6	771.4	731.8	701.3	684.3
65°	673.0	665.1	625.5	598.3	584.8
67.5°	564.4	558.8	516.9	494.3	484.1
70°	458.1	450.2	417.4	408.3	451.3
72.5°	359.7	349.5	321.2	306.5	295.2
75°	266.9	261.3	256.8	247.7	230.7
77.5°	187.8	186.6	170.8	158.4	170.8
80°	128.9	133.5	115.4	105.2	109.7
82.5°	79.2	88.2	69.0	61.1	58.8
85°	39.6	40.7	33.9	31.7	30.5
87.5°	14.7	17.0	14.7	12.4	12.4
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)