

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: P506143

Luminaire Tested: **14PD-80-PR1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506143
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-80-PR1-L835
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

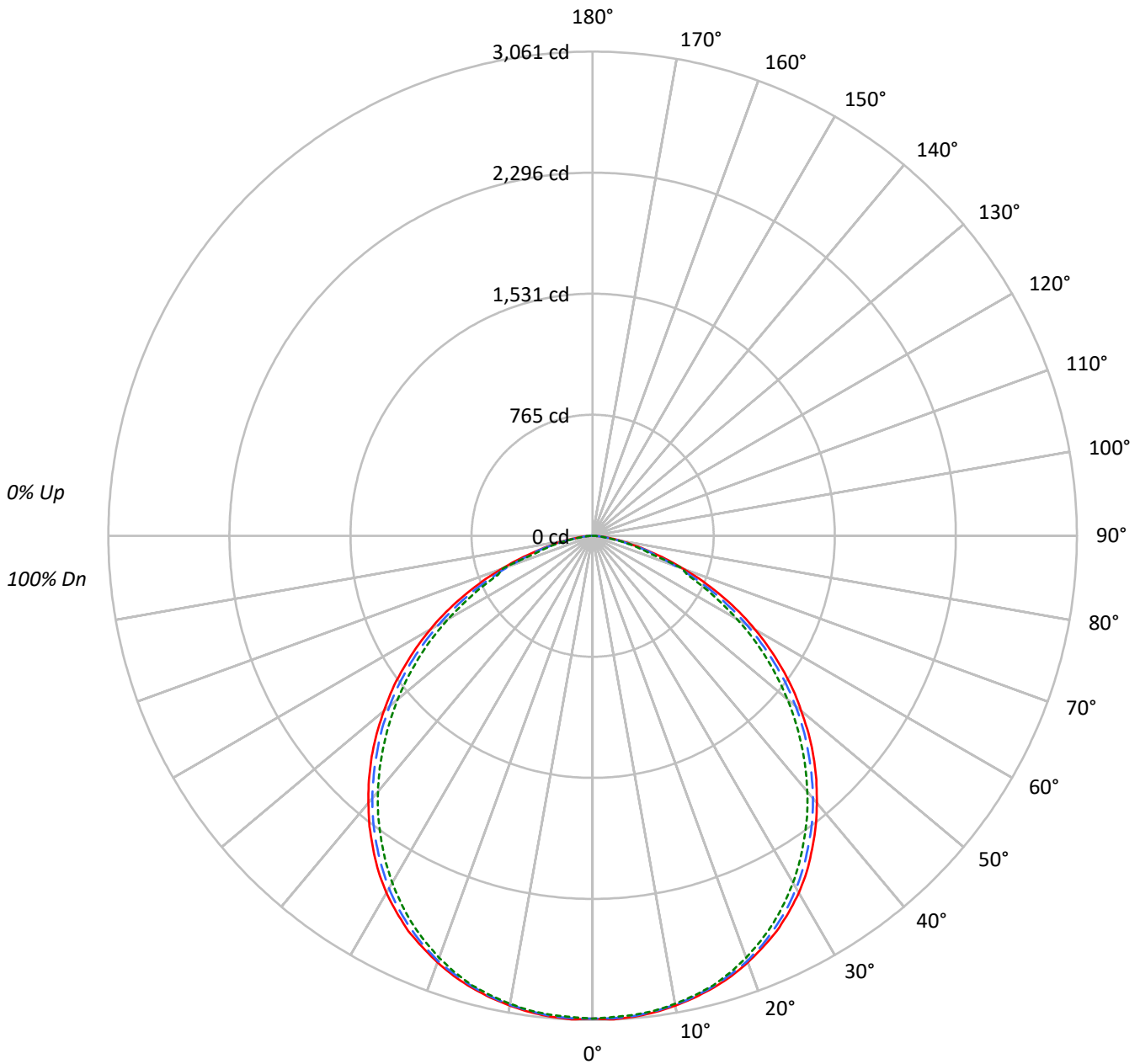
Lumens per Lamp: N/A
Luminaire Lumens: 7857.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 84.4
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				20				
RC	80				70				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			100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8216	8216	8216
5°	8243	8231	8210
10°	8243	8227	8210
15°	8240	8215	8198
20°	8219	8189	8128
25°	8185	8113	8023
30°	8100	7997	7870
35°	7943	7824	7665
40°	7745	7612	7416
45°	7516	7332	7101
50°	7204	7014	6729
55°	6853	6584	6271
60°	6380	6047	5673
65°	5729	5324	4978
70°	4818	4390	4747
75°	3711	3569	3208
80°	2672	2390	2273
85°	1633	1402	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.4	3.7
10°-20°	831.4	10.6
20°-30°	1255.8	16.0
30°-40°	1485.7	18.9
40°-50°	1481.4	18.9
50°-60°	1251.5	15.9
60°-70°	833.8	10.6
70°-80°	362.2	4.6
80°-90°	65.7	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°	2376.6	30.2
0°-40°	3862.3	49.2
0°-60°	6595.2	83.9
0°-90°	7857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3053	3053	3053	3053	3053	
5°	3052	3039	3047	3044	3039	290
15°	2958	2944	2949	2944	2943	835
25°	2757	2738	2732	2708	2702	1269
35°	2418	2401	2382	2350	2333	1512
45°	1975	1957	1926	1886	1866	1521
55°	1461	1450	1403	1358	1337	1304
65°	900	889	836	800	782	889
75°	357	349	343	331	308	390
85°	53	54	45	42	41	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3053.0	3053.0	3053.0	3053.0	3053.0
2.5°	3060.6	3047.0	3053.0	3053.0	3045.5
5°	3051.5	3039.4	3047.0	3043.9	3039.4
7.5°	3037.9	3025.8	3030.3	3028.8	3027.3
10°	3016.7	3004.6	3010.7	3007.7	3004.6
12.5°	2989.5	2977.4	2983.5	2978.9	2975.9
15°	2957.8	2944.1	2948.7	2944.1	2942.6
17.5°	2918.4	2904.8	2906.3	2900.3	2894.2
20°	2870.0	2858.0	2859.5	2844.3	2838.3
22.5°	2814.1	2802.0	2800.5	2780.8	2773.3
25°	2756.6	2738.5	2732.4	2708.2	2702.2
27.5°	2684.1	2667.4	2658.3	2632.6	2620.5
30°	2606.9	2588.8	2573.7	2544.9	2532.8
32.5°	2519.2	2501.1	2481.4	2451.2	2437.6
35°	2417.9	2401.3	2381.6	2349.9	2333.2
37.5°	2316.6	2298.5	2278.8	2241.0	2227.4
40°	2204.7	2188.1	2166.9	2126.1	2111.0
42.5°	2092.8	2073.1	2047.4	2008.1	1991.5
45°	1974.9	1956.7	1926.5	1885.6	1866.0
47.5°	1850.9	1835.7	1804.0	1760.1	1739.0
50°	1720.8	1708.7	1675.5	1627.1	1607.4
52.5°	1596.8	1580.2	1542.4	1494.0	1472.8
55°	1460.7	1450.1	1403.3	1357.9	1336.7
57.5°	1324.6	1311.0	1264.2	1218.8	1199.1
60°	1185.5	1173.4	1123.5	1078.2	1054.0
62.5°	1044.9	1031.3	978.4	937.5	914.8
65°	899.7	889.1	836.2	799.9	781.8
67.5°	754.6	747.0	691.0	660.8	647.2
70°	612.4	601.8	558.0	545.9	603.3
72.5°	480.9	467.3	429.4	409.8	394.7
75°	356.9	349.3	343.3	331.2	308.5
77.5°	251.0	249.5	228.3	211.7	228.3
80°	172.4	178.4	154.2	140.6	146.7
82.5°	105.9	117.9	92.2	81.7	78.6
85°	52.9	54.4	45.4	42.3	40.8
87.5°	19.7	22.7	19.7	16.6	16.6
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)