

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: P506134

Luminaire Tested: **14PD-80-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PL1-L835
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

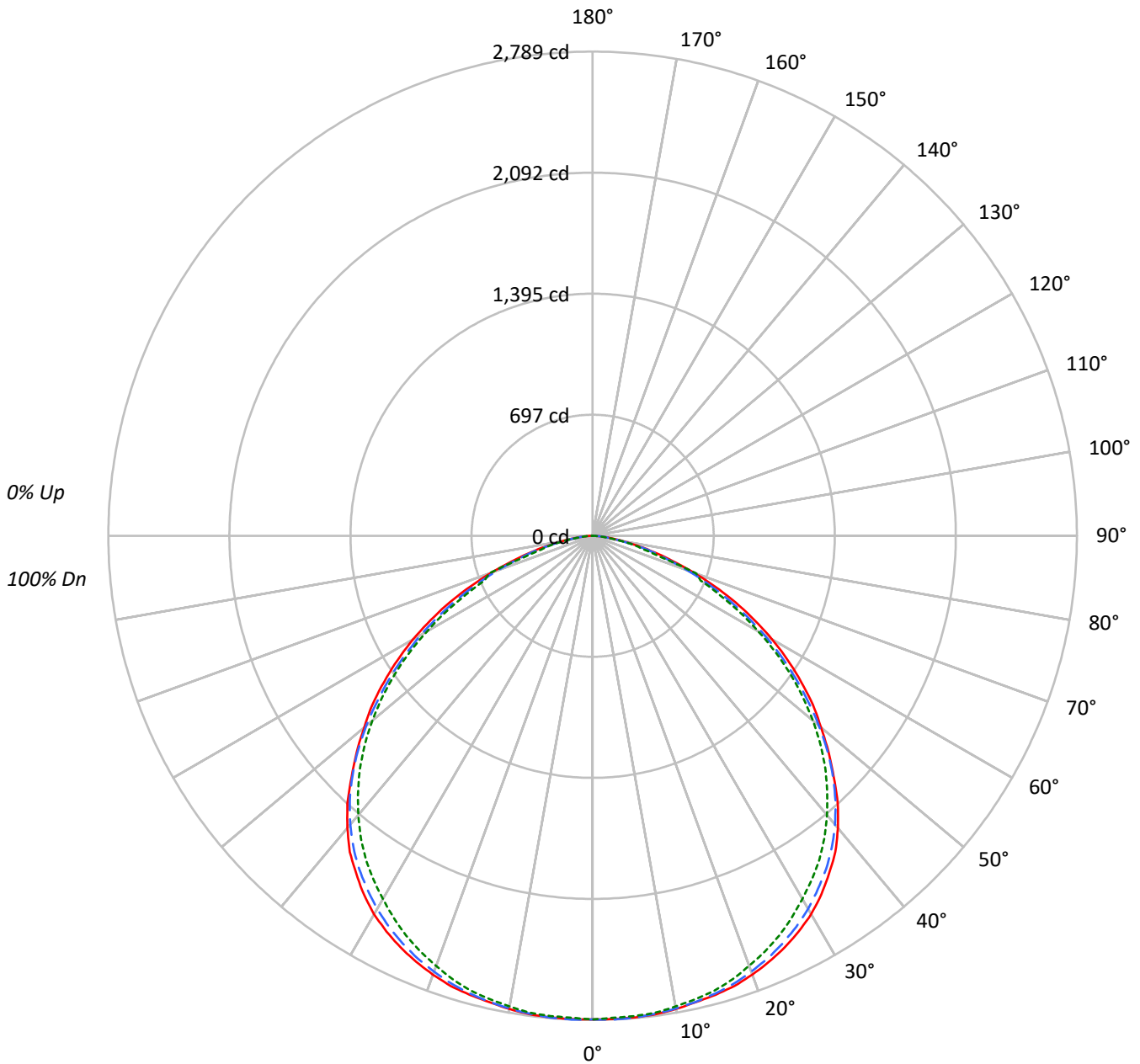
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7743.9 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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									
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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7498	7498	7498
5°	7522	7527	7502
10°	7563	7555	7521
15°	7626	7604	7558
20°	7703	7650	7550
25°	7769	7691	7546
30°	7821	7712	7507
35°	7801	7701	7479
40°	7718	7627	7374
45°	7471	7448	7209
50°	7187	7123	6931
55°	6877	6676	6525
60°	6423	6135	5929
65°	5787	5426	5134
70°	4840	4538	4984
75°	3818	3674	3182
80°	2751	2442	2490
85°	1748	1463	1371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	3.4
10°-20°	770.0	9.9
20°-30°	1190.6	15.4
30°-40°	1457.1	18.8
40°-50°	1493.8	19.3
50°-60°	1272.3	16.4
60°-70°	850.2	11.0
70°-80°	376.8	4.9
80°-90°	68.2	0.9
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°	2225.5	28.7
0°-40°	3682.6	47.6
0°-60°	6448.8	83.3
0°-90°	7743.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7743.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2786	2786	2786	2786	2786	
5°	2785	2779	2786	2785	2777	265
15°	2737	2728	2730	2722	2713	774
25°	2616	2607	2590	2557	2541	1207
35°	2375	2368	2344	2292	2277	1485
45°	1963	1969	1957	1913	1894	1515
55°	1466	1458	1423	1394	1391	1308
65°	909	901	852	814	806	896
75°	367	372	353	355	306	398
85°	57	55	47	46	44	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2786.3	2786.3	2786.3	2786.3	2786.3
2.5°	2786.3	2781.7	2789.3	2792.4	2778.6
5°	2784.7	2778.6	2786.3	2784.7	2777.1
7.5°	2780.1	2769.4	2777.1	2774.0	2771.0
10°	2767.9	2758.7	2764.8	2760.2	2752.6
12.5°	2751.1	2744.9	2749.5	2744.9	2734.2
15°	2737.3	2728.1	2729.6	2722.0	2712.8
17.5°	2718.9	2705.2	2705.2	2689.9	2679.2
20°	2689.9	2677.6	2671.5	2650.1	2636.3
22.5°	2656.2	2647.0	2634.8	2607.2	2591.9
25°	2616.4	2607.2	2590.4	2556.7	2541.4
27.5°	2570.5	2558.3	2539.9	2500.1	2481.8
30°	2517.0	2501.7	2481.8	2437.4	2416.0
32.5°	2451.2	2440.5	2414.5	2368.5	2348.7
35°	2374.7	2368.5	2344.1	2292.0	2276.7
37.5°	2296.6	2284.4	2263.0	2207.9	2192.6
40°	2197.2	2189.5	2171.2	2117.6	2099.3
42.5°	2090.1	2085.5	2070.2	2019.7	1999.8
45°	1963.1	1969.2	1957.0	1912.6	1894.2
47.5°	1842.2	1839.1	1834.6	1794.8	1779.5
50°	1716.7	1710.6	1701.4	1669.3	1655.5
52.5°	1598.9	1586.7	1562.2	1534.7	1525.5
55°	1465.8	1458.2	1423.0	1393.9	1390.8
57.5°	1331.2	1326.6	1283.7	1250.1	1250.1
60°	1193.5	1187.3	1139.9	1104.7	1101.7
62.5°	1049.6	1045.0	996.1	956.3	957.8
65°	908.9	901.2	852.2	814.0	806.3
67.5°	762.0	758.9	711.5	676.3	673.2
70°	615.1	615.1	576.8	546.2	633.4
72.5°	485.0	480.4	449.8	436.1	416.2
75°	367.2	371.8	353.4	355.0	306.0
77.5°	261.6	254.0	246.3	229.5	243.3
80°	177.5	172.9	157.6	153.0	160.7
82.5°	110.2	111.7	97.9	88.7	87.2
85°	56.6	55.1	47.4	45.9	44.4
87.5°	21.4	23.0	19.9	18.4	16.8
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)