

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: P506836

Luminaire Tested: **24PD-80-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PL1-L835
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

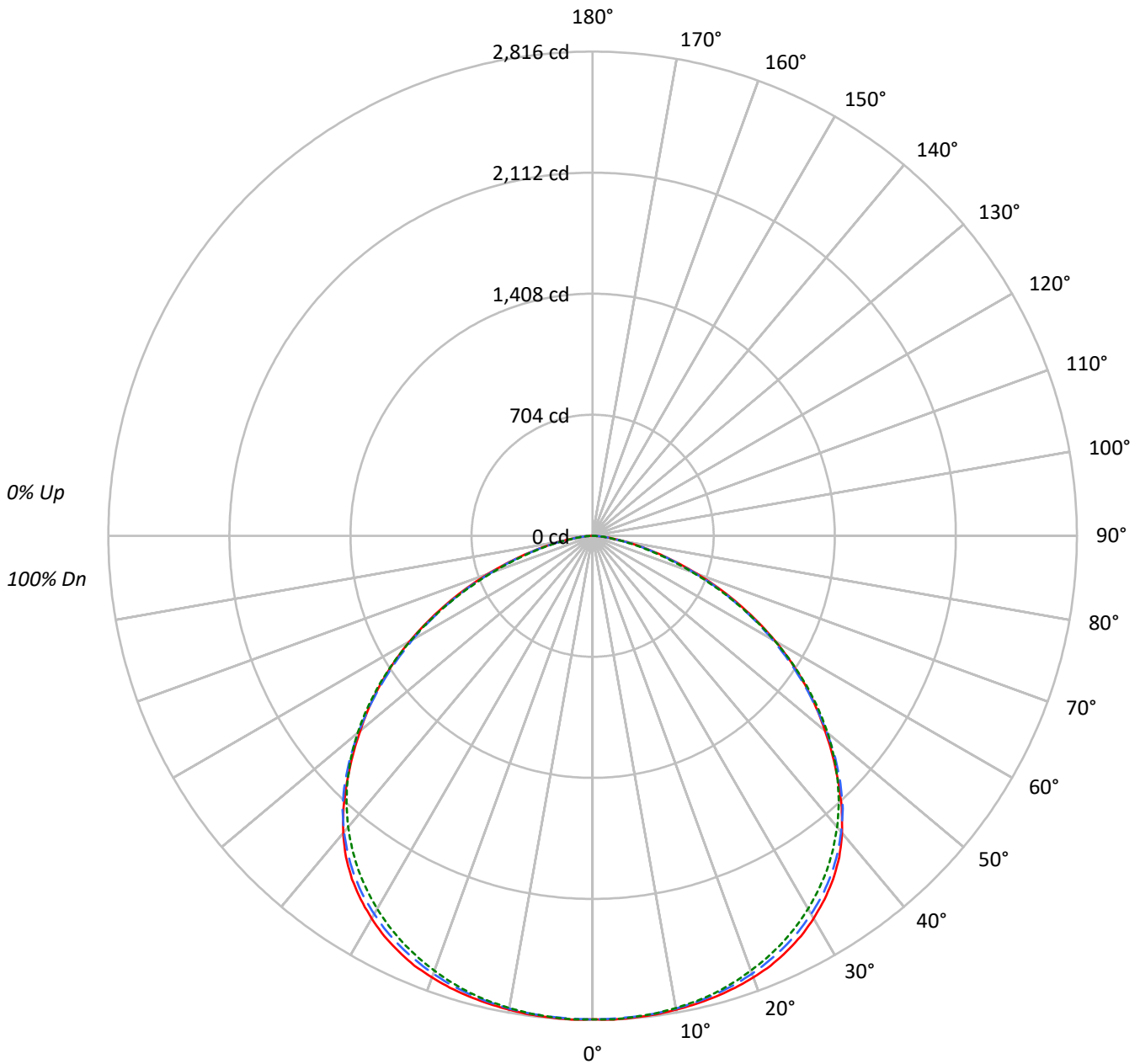
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8068.5 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
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°	3784	3784	3784
5°	3799	3793	3794
10°	3825	3814	3811
15°	3865	3846	3834
20°	3914	3882	3854
25°	3962	3917	3877
30°	3993	3947	3892
35°	4006	3966	3900
40°	3963	3949	3885
45°	3842	3878	3835
50°	3693	3721	3734
55°	3534	3507	3559
60°	3306	3252	3293
65°	2974	2915	2913
70°	2533	2475	2418
75°	1994	1950	1870
80°	1426	1385	1307
85°	844	832	773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	3.3
10°-20°	780.7	9.7
20°-30°	1216.9	15.1
30°-40°	1505.9	18.7
40°-50°	1561.1	19.3
50°-60°	1344.1	16.7
60°-70°	912.0	11.3
70°-80°	406.9	5.0
80°-90°	73.2	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°	2265.3	28.1
0°-40°	3771.2	46.7
0°-60°	6676.4	82.7
0°-90°	8068.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8068.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2813	2813	2813	2813	2813	
5°	2813	2809	2808	2808	2809	268
15°	2775	2767	2761	2755	2752	785
25°	2669	2658	2638	2619	2612	1230
35°	2439	2432	2414	2388	2374	1522
45°	2019	2029	2038	2030	2016	1556
55°	1506	1507	1495	1512	1517	1343
65°	934	938	916	906	915	924
75°	384	387	375	367	360	416
85°	55	56	54	54	50	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2812.6	2812.6	2812.6	2812.6	2812.6
2.5°	2816.4	2810.3	2811.0	2811.8	2814.9
5°	2812.6	2808.7	2808.0	2808.0	2808.7
7.5°	2808.0	2803.3	2802.6	2801.8	2801.8
10°	2799.5	2794.9	2791.8	2790.2	2789.5
12.5°	2787.9	2782.5	2778.7	2775.6	2773.3
15°	2774.8	2767.1	2761.0	2754.8	2752.5
17.5°	2756.4	2749.4	2738.6	2728.6	2724.8
20°	2733.3	2726.3	2710.9	2697.1	2691.7
22.5°	2706.3	2696.3	2677.0	2661.6	2653.9
25°	2668.6	2658.5	2638.5	2619.3	2611.6
27.5°	2624.7	2615.4	2593.9	2570.8	2561.5
30°	2570.0	2563.8	2540.7	2515.3	2505.3
32.5°	2509.1	2503.0	2483.0	2454.5	2442.9
35°	2439.1	2432.1	2414.4	2388.2	2374.4
37.5°	2355.9	2353.6	2336.6	2309.7	2296.6
40°	2256.5	2261.2	2248.1	2225.0	2211.9
42.5°	2143.3	2153.3	2153.3	2131.8	2118.7
45°	2019.3	2028.6	2037.8	2030.1	2015.5
47.5°	1892.3	1902.3	1913.0	1916.1	1903.8
50°	1764.4	1770.6	1777.5	1791.4	1783.7
52.5°	1637.3	1639.6	1637.3	1655.8	1654.3
55°	1506.4	1507.2	1494.9	1511.8	1517.2
57.5°	1370.1	1372.4	1352.4	1361.6	1373.2
60°	1228.4	1230.7	1208.4	1209.9	1223.8
62.5°	1082.1	1085.1	1062.8	1057.4	1069.7
65°	934.2	938.0	915.7	905.7	914.9
67.5°	787.1	791.7	770.9	758.6	760.9
70°	643.8	647.7	629.2	617.7	614.6
72.5°	507.5	511.4	496.7	485.2	479.8
75°	383.5	386.6	375.1	366.6	359.7
77.5°	275.7	278.0	268.8	262.6	255.7
80°	184.1	184.8	178.7	174.8	168.7
82.5°	110.1	110.9	107.1	105.5	100.9
85°	54.7	55.5	53.9	53.9	50.1
87.5°	19.3	18.5	19.3	19.3	16.9
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)