

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: P506854

Luminaire Tested: **24PD-80-PW1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PW1-L835
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

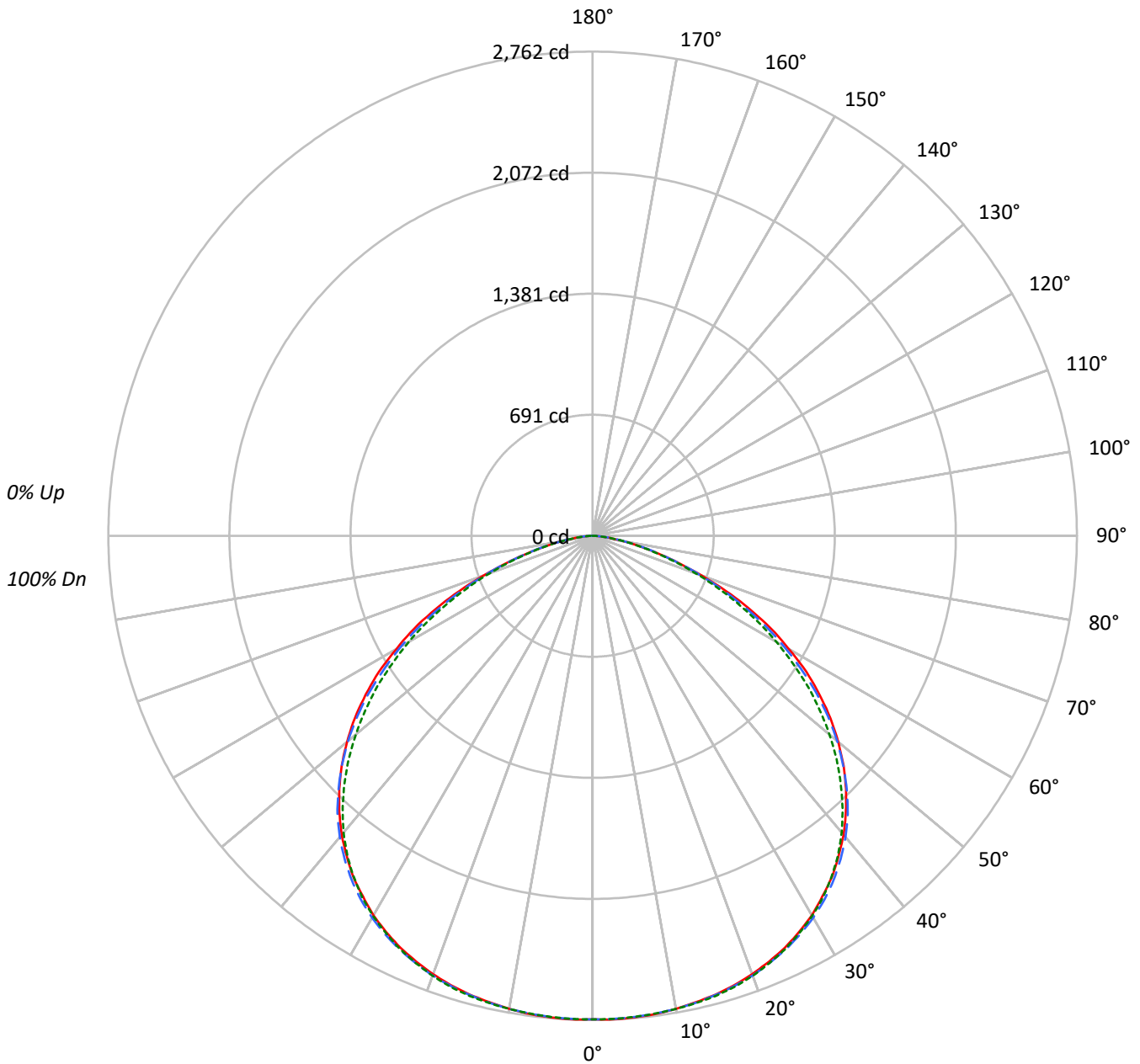
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8090.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
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	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	62	60								
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52								
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45								
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39								
7	65	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	37	33	43	37	32	30								
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3712	3712	3712
5°	3725	3721	3721
10°	3744	3744	3745
15°	3774	3777	3785
20°	3810	3822	3824
25°	3850	3867	3861
30°	3884	3909	3891
35°	3906	3937	3903
40°	3911	3941	3881
45°	3888	3903	3809
50°	3827	3809	3690
55°	3705	3646	3516
60°	3480	3391	3258
65°	3138	3023	2901
70°	2587	2548	2454
75°	1978	1998	1918
80°	1372	1414	1385
85°	820	857	832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.5	3.2
10°-20°	766.9	9.5
20°-30°	1199.4	14.8
30°-40°	1492.0	18.4
40°-50°	1567.9	19.4
50°-60°	1376.2	17.0
60°-70°	937.2	11.6
70°-80°	413.4	5.1
80°-90°	74.4	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°	2228.9	27.6
0°-40°	3720.9	46.0
0°-60°	6665.0	82.4
0°-90°	8090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2759	2759	2759	2759	2759	
5°	2758	2757	2755	2752	2755	263
15°	2709	2712	2712	2712	2717	766
25°	2593	2600	2605	2603	2601	1196
35°	2378	2389	2397	2385	2376	1486
45°	2043	2056	2051	2017	2002	1574
55°	1580	1573	1554	1513	1499	1408
65°	986	962	950	929	911	972
75°	380	383	384	377	369	416
85°	53	56	56	55	54	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2758.7	2758.7	2758.7	2758.7	2758.7
2.5°	2761.8	2760.3	2758.7	2756.4	2758.7
5°	2758.0	2757.2	2754.9	2751.8	2754.9
7.5°	2751.8	2751.8	2749.5	2747.2	2748.7
10°	2740.2	2742.6	2740.2	2737.9	2741.0
12.5°	2724.8	2728.7	2727.9	2727.9	2730.2
15°	2709.4	2712.5	2711.8	2711.8	2717.1
17.5°	2687.9	2691.7	2692.5	2694.0	2697.1
20°	2660.9	2666.3	2669.4	2668.6	2670.9
22.5°	2629.3	2635.5	2637.8	2639.4	2637.8
25°	2593.1	2600.1	2604.7	2603.2	2600.8
27.5°	2549.2	2556.9	2563.1	2559.3	2554.6
30°	2500.0	2506.9	2516.1	2509.2	2504.6
32.5°	2439.1	2452.2	2460.7	2452.2	2445.3
35°	2378.3	2389.1	2396.8	2385.2	2376.0
37.5°	2304.3	2317.4	2324.4	2308.2	2298.2
40°	2226.5	2239.6	2243.5	2222.7	2209.6
42.5°	2138.0	2152.6	2154.2	2124.9	2110.3
45°	2043.2	2056.3	2051.0	2017.1	2001.7
47.5°	1940.8	1950.1	1938.5	1903.8	1886.9
50°	1828.4	1833.8	1819.9	1779.1	1762.9
52.5°	1709.8	1709.0	1691.3	1650.5	1632.8
55°	1579.6	1573.4	1554.2	1513.4	1498.7
57.5°	1446.4	1427.1	1406.3	1371.7	1352.4
60°	1293.1	1278.5	1260.0	1225.3	1210.7
62.5°	1148.3	1122.1	1106.7	1075.9	1062.8
65°	985.8	961.9	949.6	928.8	911.1
67.5°	822.5	804.1	795.6	780.9	764.8
70°	657.7	652.3	647.7	633.8	623.8
72.5°	512.2	510.6	509.8	502.1	492.1
75°	380.5	382.8	384.3	377.4	368.9
77.5°	271.1	274.9	274.2	270.3	268.0
80°	177.1	180.2	182.5	178.7	178.7
82.5°	107.1	110.1	109.4	110.9	107.8
85°	53.1	55.5	55.5	54.7	53.9
87.5°	19.3	20.0	19.3	20.0	19.3
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)