

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: P506856

Luminaire Tested: **24PD-80-PW1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506856
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-L850
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

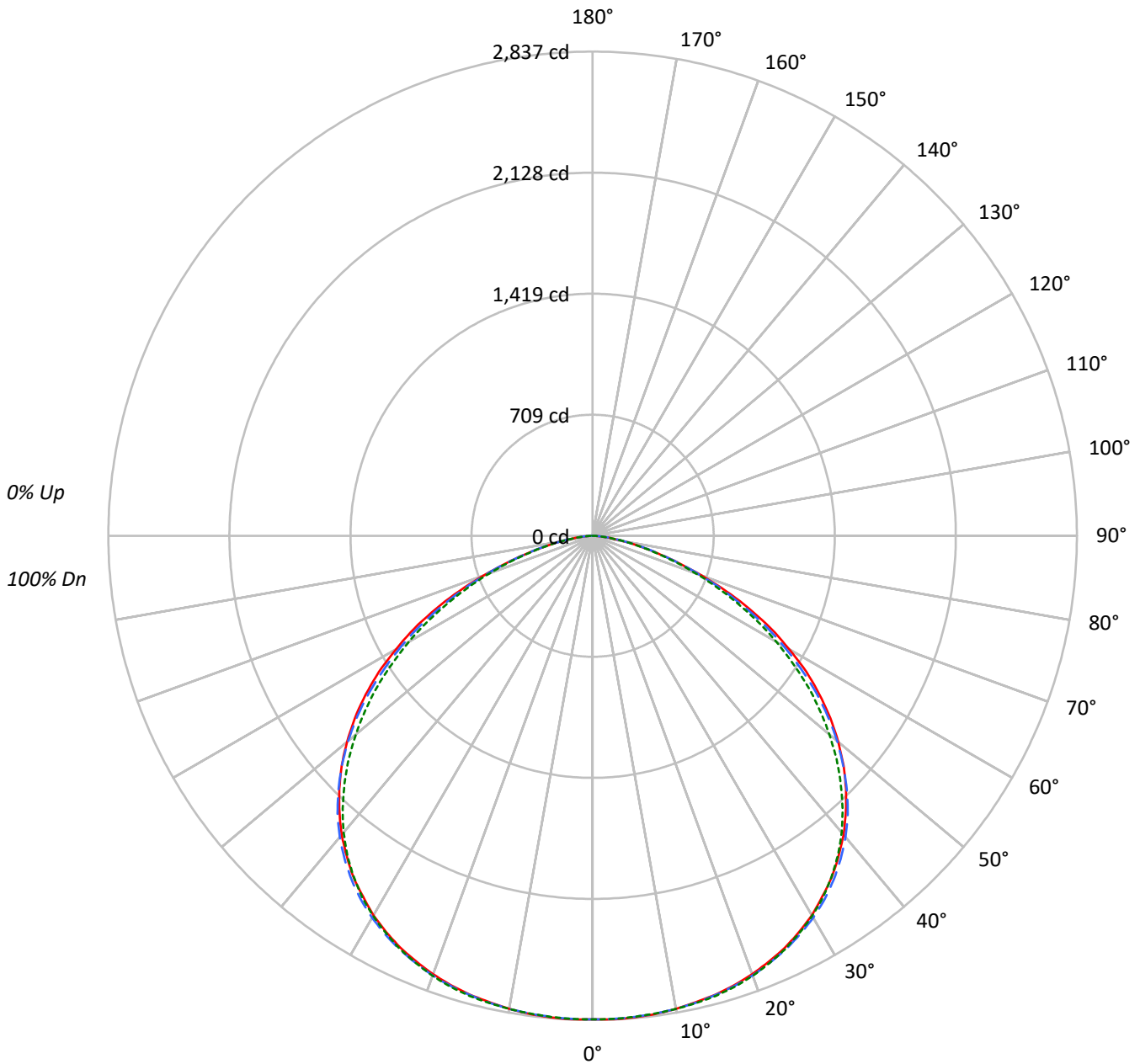
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8309.1 lumens
Efficiency: N/A
Efficacy: 135.8 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									
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	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°	3812	3812	3812
5°	3826	3822	3822
10°	3845	3845	3846
15°	3876	3880	3887
20°	3913	3926	3928
25°	3954	3972	3966
30°	3989	4015	3997
35°	4012	4043	4008
40°	4017	4047	3986
45°	3993	4008	3912
50°	3931	3913	3790
55°	3806	3745	3611
60°	3574	3482	3346
65°	3223	3105	2979
70°	2657	2617	2520
75°	2032	2052	1970
80°	1409	1453	1422
85°	843	880	855



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.7	3.2
10°-20°	787.7	9.5
20°-30°	1231.9	14.8
30°-40°	1532.4	18.4
40°-50°	1610.3	19.4
50°-60°	1413.5	17.0
60°-70°	962.5	11.6
70°-80°	424.6	5.1
80°-90°	76.5	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°	2289.3	27.6
0°-40°	3821.6	46.0
0°-60°	6845.5	82.4
0°-90°	8309.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8309.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2833	2833	2833	2833	2833	
5°	2833	2832	2830	2826	2830	270
15°	2783	2786	2785	2785	2791	787
25°	2663	2670	2675	2674	2671	1228
35°	2443	2454	2462	2450	2440	1527
45°	2099	2112	2106	2072	2056	1616
55°	1622	1616	1596	1554	1539	1446
65°	1012	988	975	954	936	998
75°	391	393	395	388	379	428
85°	55	57	57	56	55	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2833.4	2833.4	2833.4	2833.4	2833.4
2.5°	2836.6	2835.0	2833.4	2831.1	2833.4
5°	2832.7	2831.9	2829.5	2826.3	2829.5
7.5°	2826.3	2826.3	2823.9	2821.6	2823.2
10°	2814.5	2816.8	2814.5	2812.1	2815.2
12.5°	2798.6	2802.6	2801.8	2801.8	2804.2
15°	2782.8	2786.0	2785.2	2785.2	2790.7
17.5°	2760.7	2764.6	2765.4	2767.0	2770.2
20°	2733.0	2738.5	2741.7	2740.9	2743.3
22.5°	2700.6	2706.9	2709.3	2710.8	2709.3
25°	2663.4	2670.5	2675.2	2673.7	2671.3
27.5°	2618.3	2626.2	2632.5	2628.6	2623.8
30°	2567.7	2574.8	2584.3	2577.2	2572.4
32.5°	2505.2	2518.6	2527.3	2518.6	2511.5
35°	2442.7	2453.8	2461.7	2449.8	2440.3
37.5°	2366.7	2380.2	2387.3	2370.7	2360.4
40°	2286.8	2300.3	2304.2	2282.9	2269.4
42.5°	2195.9	2210.9	2212.5	2182.4	2167.4
45°	2098.6	2112.0	2106.5	2071.7	2055.9
47.5°	1993.4	2002.9	1991.0	1955.4	1938.0
50°	1877.9	1883.4	1869.2	1827.3	1810.6
52.5°	1756.1	1755.3	1737.1	1695.2	1677.0
55°	1622.4	1616.1	1596.3	1554.4	1539.3
57.5°	1485.5	1465.8	1444.4	1408.8	1389.0
60°	1328.1	1313.1	1294.1	1258.5	1243.5
62.5°	1179.4	1152.5	1136.7	1105.1	1091.6
65°	1012.5	988.0	975.3	954.0	935.8
67.5°	844.8	825.8	817.1	802.1	785.5
70°	675.5	670.0	665.2	651.0	640.7
72.5°	526.0	524.4	523.7	515.7	505.5
75°	390.8	393.1	394.7	387.6	378.9
77.5°	278.4	282.4	281.6	277.6	275.3
80°	181.9	185.1	187.5	183.5	183.5
82.5°	110.0	113.1	112.3	113.9	110.7
85°	54.6	57.0	57.0	56.2	55.4
87.5°	19.8	20.6	19.8	20.6	19.8
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)