

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: P506748

Luminaire Tested: **24PD-60-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506748
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-60-PW1-L850
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

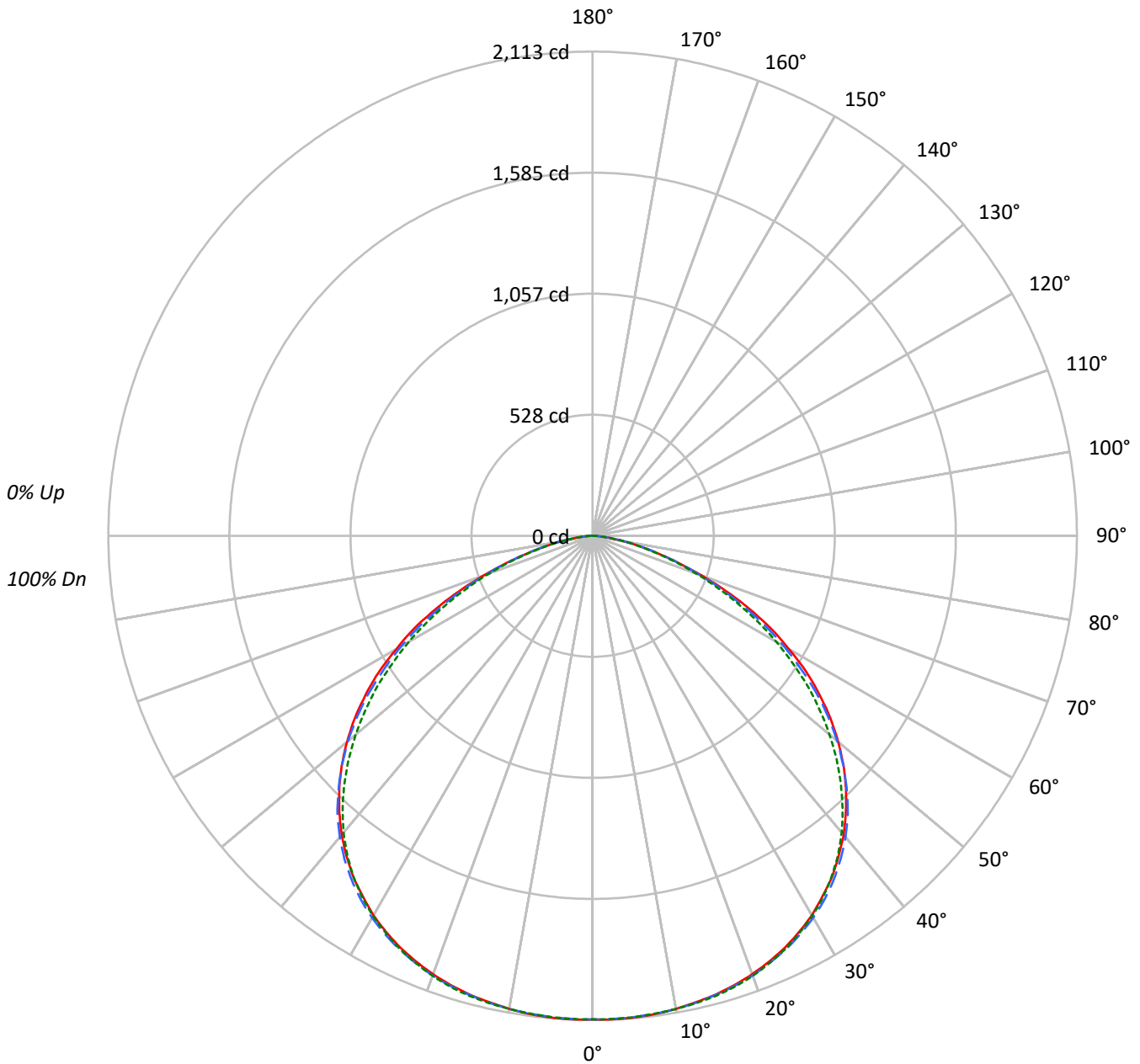
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6189.6 lumens
Efficiency: N/A
Efficacy: 137.9 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): 44.9
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°	2840	2840	2840
5°	2850	2847	2847
10°	2864	2864	2865
15°	2888	2890	2896
20°	2915	2924	2926
25°	2945	2958	2954
30°	2972	2991	2977
35°	2989	3012	2986
40°	2992	3015	2969
45°	2975	2986	2914
50°	2928	2915	2823
55°	2835	2789	2690
60°	2662	2594	2493
65°	2401	2313	2219
70°	1980	1950	1878
75°	1513	1528	1468
80°	1050	1082	1059
85°	628	655	636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	3.2
10°-20°	586.8	9.5
20°-30°	917.7	14.8
30°-40°	1141.5	18.4
40°-50°	1199.6	19.4
50°-60°	1053.0	17.0
60°-70°	717.0	11.6
70°-80°	316.3	5.1
80°-90°	56.9	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°	1705.3	27.6
0°-40°	2846.8	46.0
0°-60°	5099.3	82.4
0°-90°	6189.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6189.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2111	2111	2111	2111	2111	
5°	2110	2110	2108	2105	2108	201
15°	2073	2075	2075	2075	2079	586
25°	1984	1989	1993	1992	1990	915
35°	1820	1828	1834	1825	1818	1137
45°	1563	1573	1569	1543	1532	1204
55°	1208	1204	1189	1158	1147	1077
65°	754	736	726	711	697	743
75°	291	293	294	289	282	319
85°	41	42	42	42	41	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2110.7	2110.7	2110.7	2110.7	2110.7
2.5°	2113.0	2111.9	2110.7	2108.9	2110.7
5°	2110.1	2109.5	2107.7	2105.4	2107.7
7.5°	2105.4	2105.4	2103.6	2101.8	2103.0
10°	2096.5	2098.3	2096.5	2094.8	2097.1
12.5°	2084.8	2087.7	2087.1	2087.1	2088.9
15°	2073.0	2075.3	2074.7	2074.7	2078.9
17.5°	2056.5	2059.4	2060.0	2061.2	2063.5
20°	2035.9	2040.0	2042.3	2041.7	2043.5
22.5°	2011.7	2016.4	2018.2	2019.4	2018.2
25°	1984.0	1989.3	1992.8	1991.7	1989.9
27.5°	1950.4	1956.3	1961.0	1958.1	1954.5
30°	1912.7	1918.0	1925.1	1919.8	1916.2
32.5°	1866.1	1876.2	1882.6	1876.2	1870.9
35°	1819.6	1827.8	1833.7	1824.9	1817.8
37.5°	1763.0	1773.0	1778.4	1766.0	1758.3
40°	1703.5	1713.5	1716.5	1700.6	1690.6
42.5°	1635.8	1646.9	1648.1	1625.7	1614.5
45°	1563.3	1573.3	1569.2	1543.2	1531.5
47.5°	1484.9	1492.0	1483.1	1456.6	1443.7
50°	1398.9	1403.0	1392.4	1361.2	1348.8
52.5°	1308.1	1307.5	1294.0	1262.8	1249.2
55°	1208.5	1203.8	1189.1	1157.9	1146.7
57.5°	1106.6	1091.9	1076.0	1049.5	1034.7
60°	989.3	978.2	964.0	937.5	926.3
62.5°	878.6	858.5	846.8	823.2	813.2
65°	754.2	736.0	726.5	710.6	697.1
67.5°	629.3	615.2	608.7	597.5	585.1
70°	503.2	499.1	495.6	485.0	477.3
72.5°	391.9	390.7	390.1	384.2	376.5
75°	291.1	292.9	294.0	288.7	282.3
77.5°	207.4	210.4	209.8	206.8	205.1
80°	135.5	137.9	139.7	136.7	136.7
82.5°	81.9	84.3	83.7	84.9	82.5
85°	40.7	42.4	42.4	41.8	41.2
87.5°	14.7	15.3	14.7	15.3	14.7
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)