

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: P506746

Luminaire Tested: **24PD-60-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506746
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-L835
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

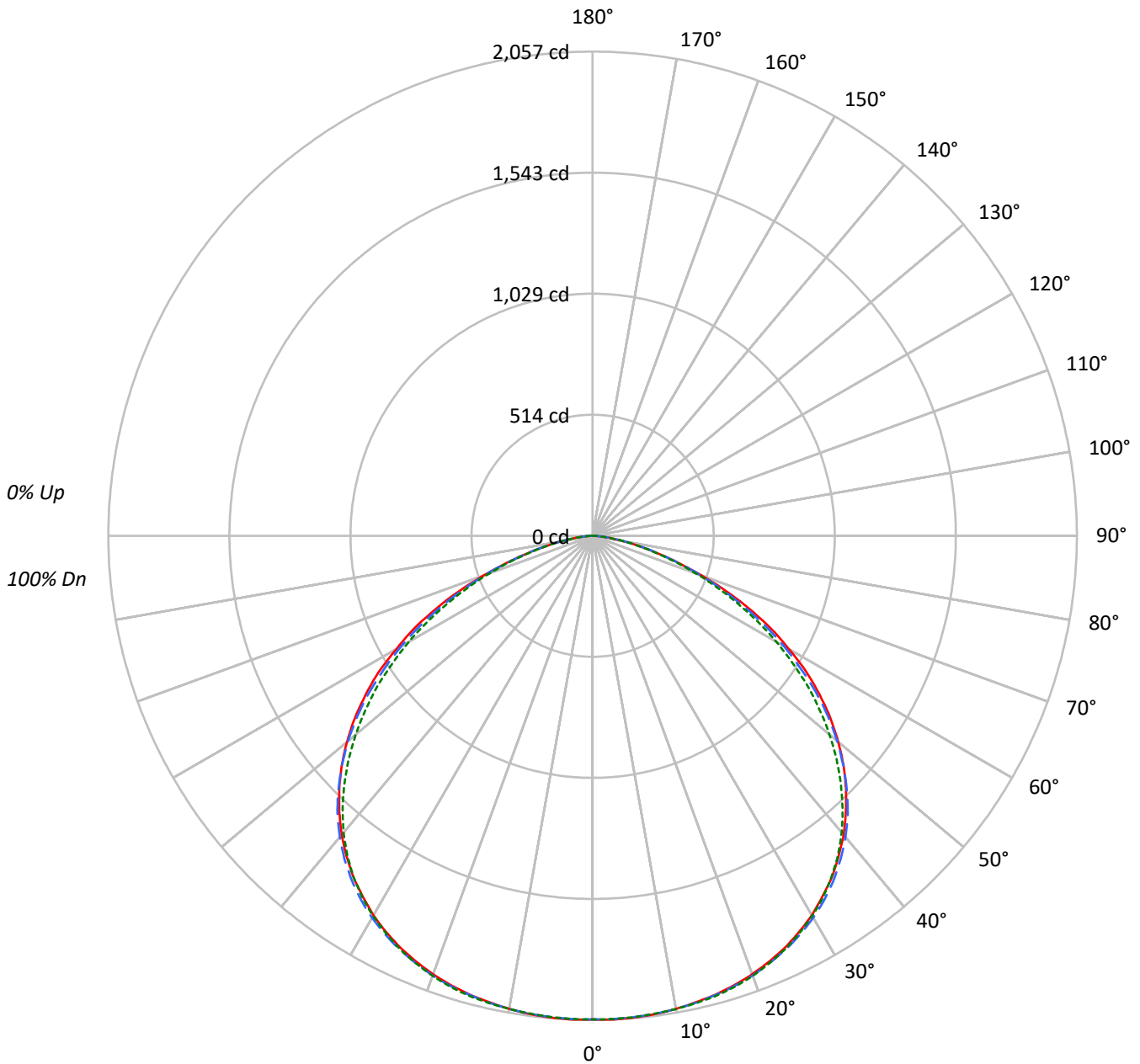
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6025.8 lumens
Efficiency: N/A
Efficacy: 134.2 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): 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°	2765	2765	2765
5°	2775	2771	2771
10°	2789	2789	2789
15°	2811	2813	2819
20°	2838	2847	2849
25°	2867	2880	2876
30°	2893	2912	2898
35°	2910	2932	2907
40°	2913	2935	2891
45°	2896	2907	2837
50°	2851	2837	2749
55°	2760	2715	2619
60°	2592	2525	2427
65°	2338	2252	2160
70°	1927	1898	1828
75°	1473	1488	1429
80°	1022	1054	1031
85°	611	638	621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	3.2
10°-20°	571.3	9.5
20°-30°	893.4	14.8
30°-40°	1111.3	18.4
40°-50°	1167.8	19.4
50°-60°	1025.1	17.0
60°-70°	698.0	11.6
70°-80°	307.9	5.1
80°-90°	55.4	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°	1660.2	27.6
0°-40°	2771.5	46.0
0°-60°	4964.4	82.4
0°-90°	6025.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6025.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2055	2055	2055	2055	2055	
5°	2054	2054	2052	2050	2052	196
15°	2018	2020	2020	2020	2024	570
25°	1932	1937	1940	1939	1937	891
35°	1771	1780	1785	1777	1770	1107
45°	1522	1532	1528	1502	1491	1172
55°	1177	1172	1158	1127	1116	1049
65°	734	716	707	692	679	724
75°	283	285	286	281	275	310
85°	40	41	41	41	40	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2054.8	2054.8	2054.8	2054.8	2054.8
2.5°	2057.1	2056.0	2054.8	2053.1	2054.8
5°	2054.3	2053.7	2052.0	2049.7	2052.0
7.5°	2049.7	2049.7	2047.9	2046.2	2047.4
10°	2041.1	2042.8	2041.1	2039.3	2041.6
12.5°	2029.6	2032.5	2031.9	2031.9	2033.6
15°	2018.1	2020.4	2019.8	2019.8	2023.9
17.5°	2002.1	2004.9	2005.5	2006.6	2008.9
20°	1982.0	1986.0	1988.3	1987.7	1989.4
22.5°	1958.5	1963.0	1964.8	1965.9	1964.8
25°	1931.5	1936.7	1940.1	1938.9	1937.2
27.5°	1898.8	1904.5	1909.1	1906.3	1902.8
30°	1862.1	1867.2	1874.1	1869.0	1865.5
32.5°	1816.8	1826.5	1832.8	1826.5	1821.4
35°	1771.4	1779.5	1785.2	1776.6	1769.7
37.5°	1716.4	1726.1	1731.3	1719.2	1711.8
40°	1658.4	1668.2	1671.1	1655.6	1645.8
42.5°	1592.5	1603.4	1604.5	1582.7	1571.8
45°	1521.9	1531.7	1527.6	1502.4	1490.9
47.5°	1445.6	1452.5	1443.9	1418.1	1405.5
50°	1361.9	1365.9	1355.5	1325.1	1313.1
52.5°	1273.5	1272.9	1259.7	1229.3	1216.1
55°	1176.6	1172.0	1157.6	1127.2	1116.3
57.5°	1077.3	1063.0	1047.5	1021.7	1007.3
60°	963.2	952.3	938.5	912.7	901.8
62.5°	855.3	835.8	824.3	801.4	791.6
65°	734.3	716.5	707.3	691.8	678.6
67.5°	612.7	598.9	592.6	581.7	569.6
70°	489.9	485.9	482.4	472.1	464.7
72.5°	381.5	380.3	379.8	374.0	366.6
75°	283.4	285.1	286.3	281.1	274.8
77.5°	201.9	204.8	204.2	201.4	199.6
80°	131.9	134.2	136.0	133.1	133.1
82.5°	79.7	82.0	81.5	82.6	80.3
85°	39.6	41.3	41.3	40.7	40.2
87.5°	14.3	14.9	14.3	14.9	14.3
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)