

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: P506745

Luminaire Tested: **24PD-60-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506745
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-L830
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

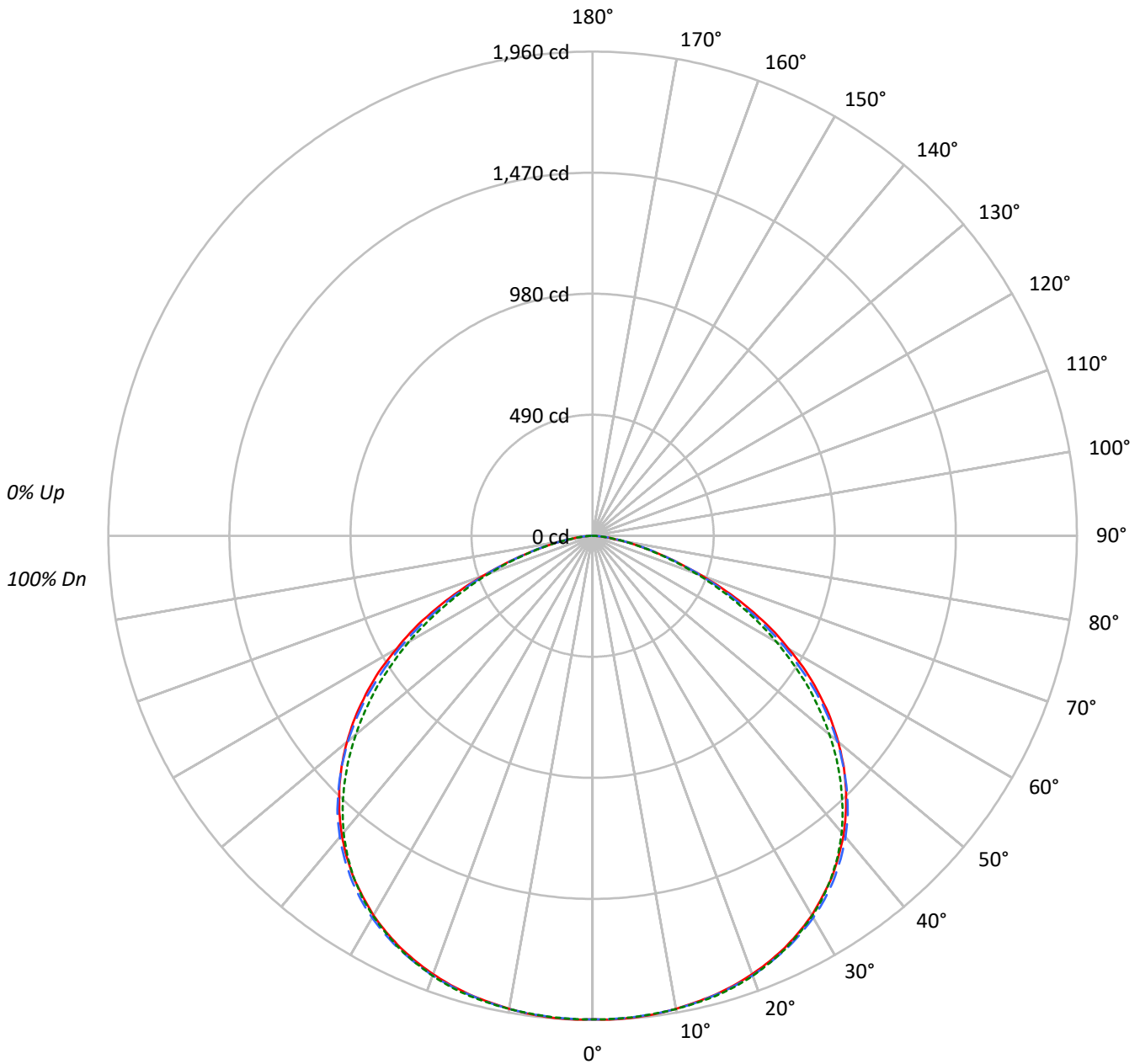
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5741.4 lumens
Efficiency: N/A
Efficacy: 127.9 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

TEST NUMBER: P506745
CATALOG NUMBER: 24PD-60-PW1-L830

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°	2634	2634	2634
5°	2644	2641	2641
10°	2657	2657	2658
15°	2679	2681	2686
20°	2704	2712	2714
25°	2732	2744	2740
30°	2756	2774	2762
35°	2772	2794	2770
40°	2775	2797	2754
45°	2759	2770	2703
50°	2716	2704	2619
55°	2630	2587	2495
60°	2470	2406	2312
65°	2227	2145	2059
70°	1836	1808	1742
75°	1404	1418	1361
80°	974	1003	982
85°	582	608	591



TEST NUMBER: P506745
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.3	3.2
10°-20°	544.3	9.5
20°-30°	851.2	14.8
30°-40°	1058.8	18.4
40°-50°	1112.7	19.4
50°-60°	976.7	17.0
60°-70°	665.1	11.6
70°-80°	293.4	5.1
80°-90°	52.8	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°	1581.8	27.6
0°-40°	2640.7	46.0
0°-60°	4730.1	82.4
0°-90°	5741.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5741.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1958	1958	1958	1958	1958	
5°	1957	1957	1955	1953	1955	186
15°	1923	1925	1924	1924	1928	544
25°	1840	1845	1848	1847	1846	849
35°	1688	1696	1701	1693	1686	1055
45°	1450	1459	1456	1432	1421	1117
55°	1121	1117	1103	1074	1064	999
65°	700	683	674	659	647	690
75°	270	272	273	268	262	295
85°	38	39	39	39	38	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1960.0	1958.9	1957.8	1956.2	1957.8
5°	1957.3	1956.8	1955.1	1952.9	1955.1
7.5°	1952.9	1952.9	1951.3	1949.6	1950.7
10°	1944.7	1946.4	1944.7	1943.1	1945.3
12.5°	1933.8	1936.5	1936.0	1936.0	1937.6
15°	1922.9	1925.0	1924.5	1924.5	1928.3
17.5°	1907.6	1910.3	1910.8	1911.9	1914.1
20°	1888.4	1892.3	1894.4	1893.9	1895.5
22.5°	1866.0	1870.4	1872.0	1873.1	1872.0
25°	1840.3	1845.2	1848.5	1847.4	1845.8
27.5°	1809.2	1814.6	1819.0	1816.3	1813.0
30°	1774.2	1779.1	1785.7	1780.8	1777.5
32.5°	1731.0	1740.3	1746.3	1740.3	1735.4
35°	1687.8	1695.5	1701.0	1692.8	1686.2
37.5°	1635.4	1644.7	1649.6	1638.1	1631.0
40°	1580.2	1589.4	1592.2	1577.4	1568.1
42.5°	1517.3	1527.7	1528.8	1508.0	1497.6
45°	1450.1	1459.4	1455.5	1431.5	1420.6
47.5°	1377.4	1383.9	1375.7	1351.1	1339.1
50°	1297.6	1301.4	1291.6	1262.6	1251.1
52.5°	1213.4	1212.9	1200.3	1171.3	1158.7
55°	1121.0	1116.7	1103.0	1074.0	1063.6
57.5°	1026.5	1012.8	998.1	973.5	959.8
60°	917.7	907.3	894.2	869.6	859.2
62.5°	814.9	796.4	785.4	763.6	754.3
65°	699.6	682.7	673.9	659.2	646.6
67.5°	583.7	570.6	564.6	554.2	542.8
70°	466.8	463.0	459.7	449.8	442.7
72.5°	363.5	362.4	361.8	356.4	349.3
75°	270.0	271.6	272.7	267.8	261.8
77.5°	192.4	195.1	194.6	191.8	190.2
80°	125.7	127.9	129.5	126.8	126.8
82.5°	76.0	78.2	77.6	78.7	76.5
85°	37.7	39.4	39.4	38.8	38.3
87.5°	13.7	14.2	13.7	14.2	13.7
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)