

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: P506727

Luminaire Tested: **24PD-60-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PL1-L830
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

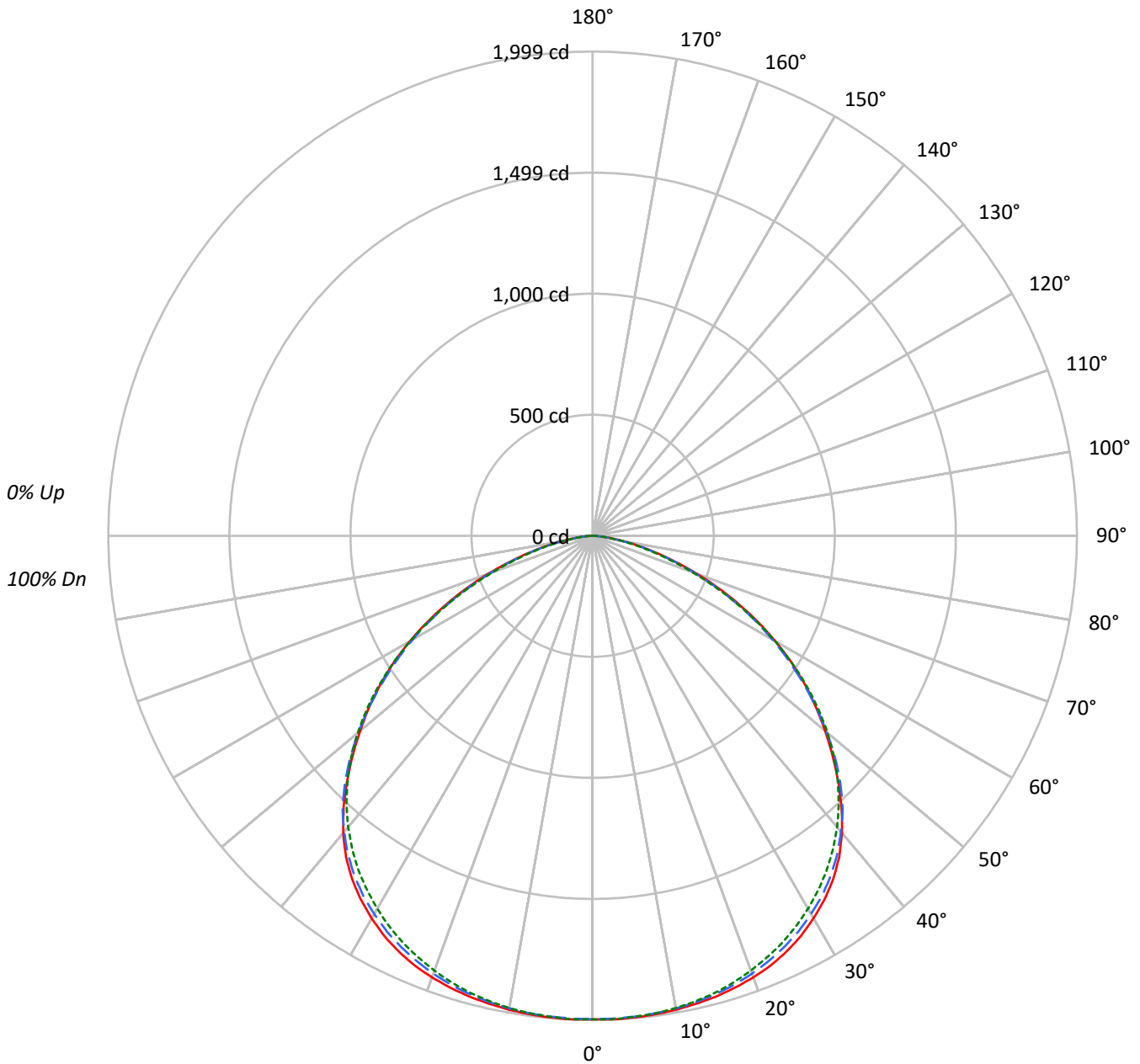
Lumens per Lamp: N/A
Luminaire Lumens: 5726.1 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2686	2686	2686
5°	2696	2692	2692
10°	2714	2707	2705
15°	2743	2729	2721
20°	2777	2755	2735
25°	2812	2780	2752
30°	2834	2801	2762
35°	2843	2814	2768
40°	2813	2802	2757
45°	2727	2752	2722
50°	2621	2641	2650
55°	2508	2489	2526
60°	2346	2308	2337
65°	2111	2069	2067
70°	1797	1757	1716
75°	1415	1384	1327
80°	1012	982	927
85°	599	591	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	3.3
10°-20°	554.0	9.7
20°-30°	863.6	15.1
30°-40°	1068.7	18.7
40°-50°	1107.9	19.3
50°-60°	953.9	16.7
60°-70°	647.2	11.3
70°-80°	288.8	5.0
80°-90°	52.0	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°	1607.6	28.1
0°-40°	2676.3	46.7
0°-60°	4738.1	82.7
0°-90°	5726.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5726.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	1996	1993	1993	1993	1993	190
15°	1969	1964	1959	1955	1953	557
25°	1894	1887	1872	1859	1853	873
35°	1731	1726	1714	1695	1685	1080
45°	1433	1440	1446	1441	1430	1104
55°	1069	1070	1061	1073	1077	953
65°	663	666	650	643	649	656
75°	272	274	266	260	255	295
85°	39	39	38	38	36	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1996.1	1996.1	1996.1	1996.1	1996.1
2.5°	1998.8	1994.4	1995.0	1995.5	1997.7
5°	1996.1	1993.3	1992.8	1992.8	1993.3
7.5°	1992.8	1989.5	1989.0	1988.4	1988.4
10°	1986.8	1983.5	1981.3	1980.2	1979.7
12.5°	1978.6	1974.7	1972.0	1969.8	1968.2
15°	1969.3	1963.8	1959.4	1955.1	1953.4
17.5°	1956.2	1951.2	1943.6	1936.5	1933.7
20°	1939.8	1934.8	1923.9	1914.1	1910.2
22.5°	1920.6	1913.5	1899.9	1888.9	1883.5
25°	1893.8	1886.7	1872.5	1858.9	1853.4
27.5°	1862.7	1856.1	1840.8	1824.4	1817.9
30°	1823.9	1819.5	1803.1	1785.1	1778.0
32.5°	1780.7	1776.3	1762.1	1741.9	1733.7
35°	1731.0	1726.1	1713.5	1694.9	1685.1
37.5°	1671.9	1670.3	1658.3	1639.1	1629.9
40°	1601.4	1604.7	1595.4	1579.0	1569.7
42.5°	1521.1	1528.2	1528.2	1512.9	1503.6
45°	1433.1	1439.7	1446.2	1440.7	1430.4
47.5°	1342.9	1350.0	1357.7	1359.9	1351.1
50°	1252.2	1256.6	1261.5	1271.3	1265.8
52.5°	1162.0	1163.6	1162.0	1175.1	1174.0
55°	1069.1	1069.6	1060.9	1072.9	1076.7
57.5°	972.3	974.0	959.8	966.3	974.5
60°	871.8	873.4	857.6	858.7	868.5
62.5°	767.9	770.1	754.3	750.4	759.2
65°	663.0	665.7	649.9	642.8	649.3
67.5°	558.6	561.9	547.1	538.4	540.0
70°	456.9	459.7	446.5	438.3	436.2
72.5°	360.2	362.9	352.5	344.3	340.5
75°	272.2	274.4	266.2	260.2	255.2
77.5°	195.7	197.3	190.8	186.4	181.5
80°	130.6	131.2	126.8	124.1	119.7
82.5°	78.2	78.7	76.0	74.9	71.6
85°	38.8	39.4	38.3	38.3	35.5
87.5°	13.7	13.1	13.7	13.7	12.0
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)