

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: P506729

Luminaire Tested: **24PD-60-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506729
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-L840
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

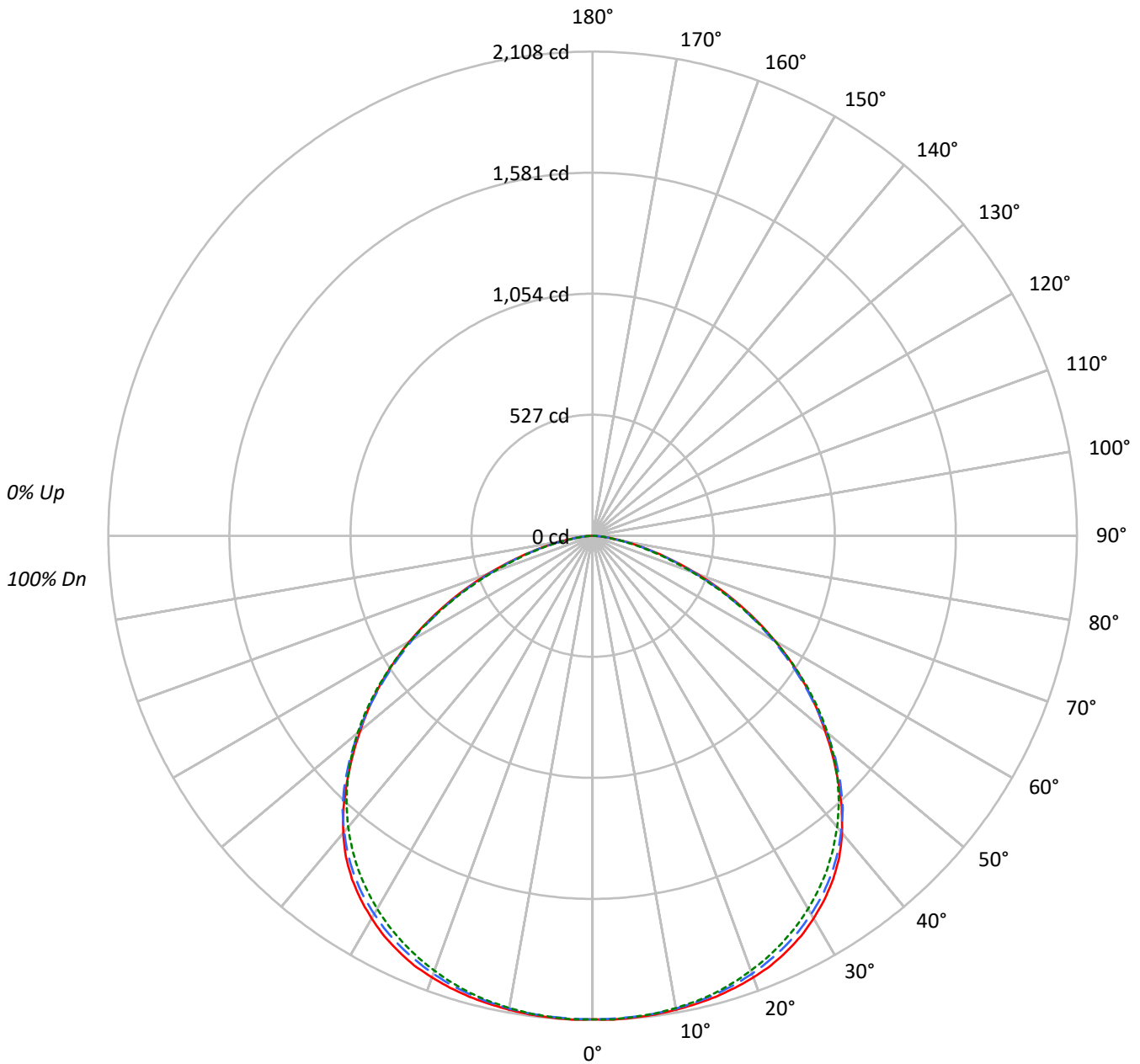
Lumens per Lamp: N/A
Luminaire Lumens: 6039.8 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2833	2833	2833
5°	2844	2839	2840
10°	2863	2855	2853
15°	2893	2879	2870
20°	2930	2906	2885
25°	2966	2932	2902
30°	2989	2955	2914
35°	2999	2969	2919
40°	2967	2956	2908
45°	2876	2903	2871
50°	2765	2785	2795
55°	2645	2625	2664
60°	2474	2434	2465
65°	2226	2182	2181
70°	1896	1853	1810
75°	1493	1460	1399
80°	1068	1037	979
85°	631	624	579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	3.3
10°-20°	584.4	9.7
20°-30°	911.0	15.1
30°-40°	1127.3	18.7
40°-50°	1168.6	19.3
50°-60°	1006.2	16.7
60°-70°	682.7	11.3
70°-80°	304.6	5.0
80°-90°	54.8	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°	1695.7	28.1
0°-40°	2823.0	46.7
0°-60°	4997.7	82.7
0°-90°	6039.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6039.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2105	2105	2105	2105	2105	
5°	2105	2102	2102	2102	2102	201
15°	2077	2071	2067	2062	2060	587
25°	1998	1990	1975	1961	1955	921
35°	1826	1821	1807	1788	1777	1140
45°	1512	1518	1525	1520	1509	1165
55°	1128	1128	1119	1132	1136	1006
65°	699	702	686	678	685	692
75°	287	289	281	274	269	312
85°	41	42	40	40	38	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2108.3	2103.7	2104.3	2104.8	2107.1
5°	2105.4	2102.5	2102.0	2102.0	2102.5
7.5°	2102.0	2098.5	2097.9	2097.3	2097.3
10°	2095.6	2092.2	2089.8	2088.7	2088.1
12.5°	2087.0	2082.9	2080.0	2077.7	2076.0
15°	2077.2	2071.4	2066.8	2062.2	2060.4
17.5°	2063.3	2058.1	2050.1	2042.6	2039.7
20°	2046.0	2040.8	2029.3	2018.9	2014.9
22.5°	2025.9	2018.4	2003.9	1992.4	1986.7
25°	1997.6	1990.1	1975.1	1960.7	1954.9
27.5°	1964.7	1957.8	1941.7	1924.4	1917.5
30°	1923.8	1919.2	1901.9	1882.9	1875.4
32.5°	1878.3	1873.7	1858.7	1837.3	1828.7
35°	1825.8	1820.6	1807.4	1787.8	1777.4
37.5°	1763.5	1761.8	1749.1	1729.0	1719.2
40°	1689.2	1692.6	1682.8	1665.5	1655.7
42.5°	1604.4	1611.9	1611.9	1595.8	1586.0
45°	1511.6	1518.5	1525.4	1519.7	1508.7
47.5°	1416.5	1424.0	1432.1	1434.4	1425.1
50°	1320.8	1325.4	1330.6	1341.0	1335.2
52.5°	1225.7	1227.4	1225.7	1239.5	1238.3
55°	1127.7	1128.2	1119.0	1131.7	1135.7
57.5°	1025.6	1027.3	1012.4	1019.3	1027.9
60°	919.5	921.3	904.5	905.7	916.1
62.5°	810.0	812.3	795.6	791.5	800.8
65°	699.3	702.2	685.5	678.0	684.9
67.5°	589.2	592.7	577.1	567.9	569.6
70°	482.0	484.8	471.0	462.4	460.1
72.5°	379.9	382.8	371.8	363.2	359.2
75°	287.1	289.4	280.8	274.4	269.2
77.5°	206.4	208.1	201.2	196.6	191.4
80°	137.8	138.4	133.8	130.9	126.3
82.5°	82.4	83.0	80.1	79.0	75.5
85°	40.9	41.5	40.4	40.4	37.5
87.5°	14.4	13.8	14.4	14.4	12.7
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)