

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: P506045

Luminaire Tested: **14PD-60-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PW1-L840
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

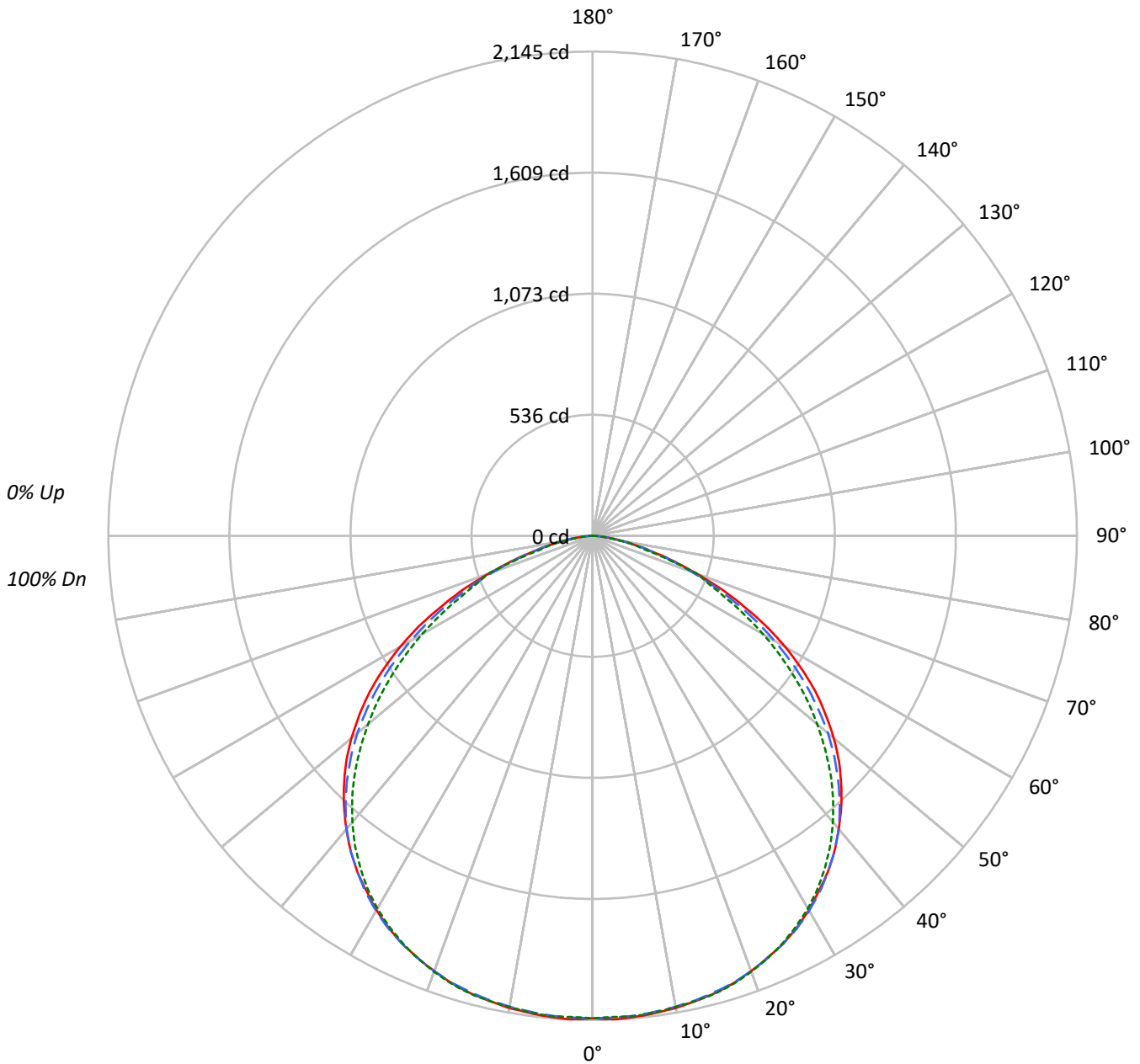
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6087.1 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	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	49	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	34	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	54	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°	5751	5751	5751
5°	5780	5764	5770
10°	5804	5787	5791
15°	5843	5830	5850
20°	5879	5875	5885
25°	5923	5923	5912
30°	5950	5962	5924
35°	5970	5970	5894
40°	5959	5955	5815
45°	5927	5858	5669
50°	5837	5696	5437
55°	5657	5419	5124
60°	5300	5007	4695
65°	4693	4423	4131
70°	3831	3660	3859
75°	2889	2839	2550
80°	2078	1948	1948
85°	1306	1232	1081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.2	3.3
10°-20°	591.6	9.7
20°-30°	918.5	15.1
30°-40°	1131.2	18.6
40°-50°	1177.7	19.3
50°-60°	1024.2	16.8
60°-70°	688.1	11.3
70°-80°	297.8	4.9
80°-90°	54.7	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°	1713.3	28.1
0°-40°	2844.6	46.7
0°-60°	5046.5	82.9
0°-90°	6087.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6087.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2137	2137	2137	2137	2137	
5°	2140	2126	2134	2139	2136	204
15°	2098	2083	2093	2100	2100	593
25°	1995	1985	1995	1995	1991	919
35°	1817	1812	1817	1802	1794	1136
45°	1557	1553	1539	1504	1490	1200
55°	1206	1184	1155	1109	1092	1072
65°	737	724	695	662	649	730
75°	278	280	273	279	245	306
85°	42	44	40	35	35	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2137.3	2137.3	2137.3	2137.3	2137.3
2.5°	2144.6	2131.3	2136.1	2143.4	2133.7
5°	2139.8	2126.5	2133.7	2138.6	2136.1
7.5°	2132.5	2122.8	2126.5	2131.3	2130.1
10°	2124.1	2114.4	2118.0	2122.8	2119.2
12.5°	2110.8	2099.9	2107.1	2112.0	2110.8
15°	2097.5	2083.0	2092.6	2099.9	2099.9
17.5°	2078.1	2066.1	2075.7	2081.8	2080.6
20°	2052.8	2044.3	2051.6	2056.4	2055.2
22.5°	2023.8	2017.7	2026.2	2026.2	2026.2
25°	1994.8	1985.1	1994.8	1994.8	1991.2
27.5°	1957.3	1948.9	1960.9	1957.3	1951.3
30°	1915.0	1910.2	1918.7	1912.6	1906.6
32.5°	1865.5	1863.1	1871.5	1859.5	1854.6
35°	1817.2	1812.3	1817.2	1801.5	1794.2
37.5°	1760.4	1755.5	1760.4	1739.8	1729.0
40°	1696.3	1692.7	1695.1	1668.6	1655.3
42.5°	1629.9	1626.3	1620.2	1587.6	1576.7
45°	1557.4	1552.6	1539.3	1504.2	1489.7
47.5°	1480.1	1471.6	1452.3	1414.8	1395.5
50°	1394.3	1382.2	1360.5	1319.4	1298.8
52.5°	1301.3	1286.8	1259.0	1217.9	1198.6
55°	1205.8	1184.1	1155.1	1109.1	1092.2
57.5°	1097.1	1074.1	1043.9	1001.6	982.3
60°	984.7	961.7	930.3	891.7	872.3
62.5°	865.1	844.5	813.1	776.9	760.0
65°	737.0	723.7	694.7	662.1	648.8
67.5°	616.2	602.9	578.7	550.9	555.8
70°	486.9	485.7	465.2	445.8	490.5
72.5°	379.4	377.0	366.1	356.4	354.0
75°	277.9	280.3	273.1	279.1	245.3
77.5°	195.7	198.1	196.9	180.0	188.5
80°	134.1	134.1	125.7	119.6	125.7
82.5°	81.0	96.7	87.0	71.3	68.9
85°	42.3	43.5	39.9	35.0	35.0
87.5°	15.7	18.1	15.7	14.5	13.3
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)