

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: P506036

Luminaire Tested: **14PD-60-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PR1-L840
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

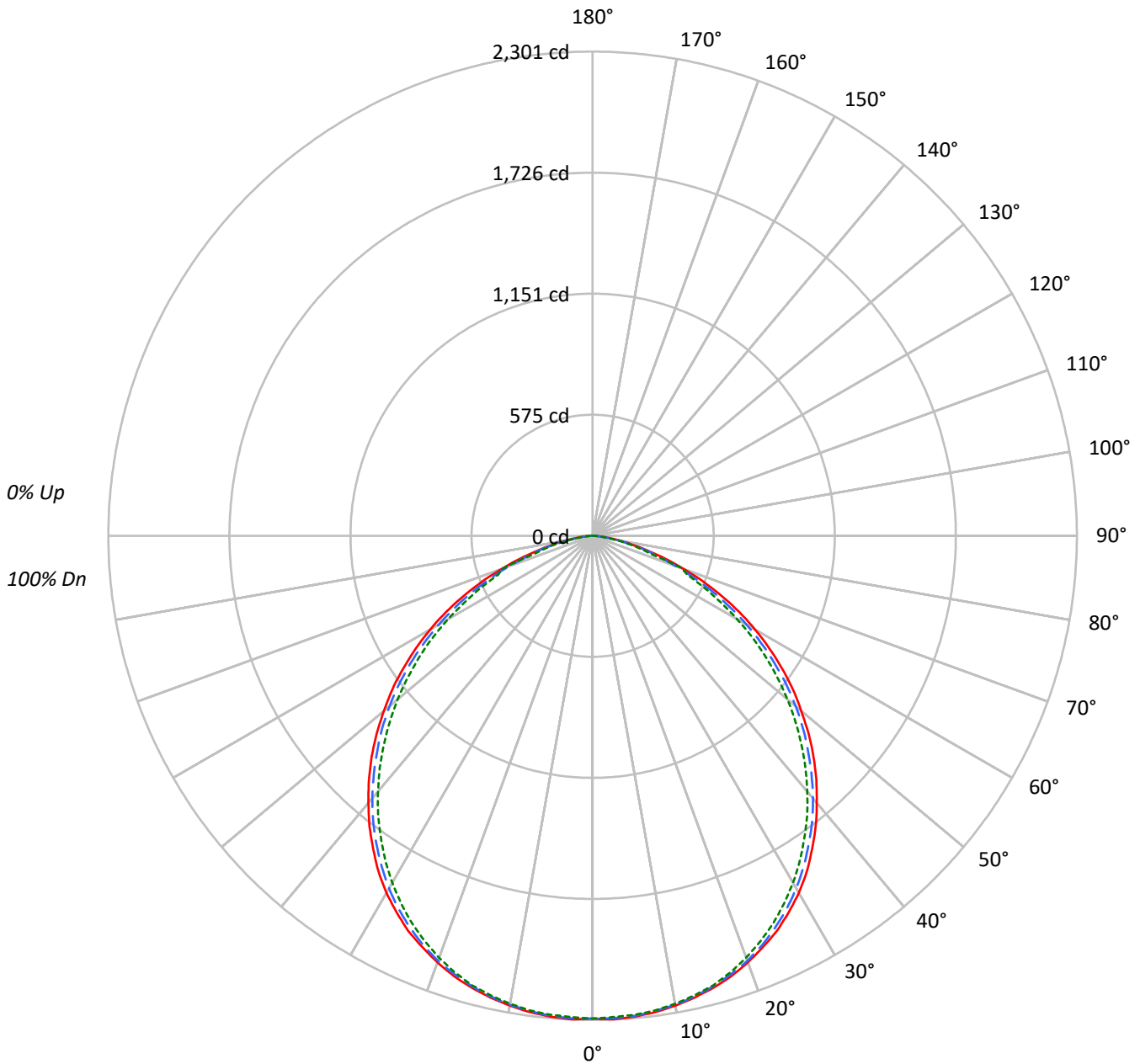
Lumens per Lamp: N/A
Luminaire Lumens: 5906.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6176	6176	6176
5°	6196	6187	6172
10°	6196	6184	6171
15°	6194	6175	6162
20°	6178	6155	6110
25°	6152	6098	6031
30°	6089	6011	5916
35°	5971	5881	5762
40°	5821	5722	5574
45°	5649	5511	5338
50°	5415	5272	5058
55°	5151	4949	4714
60°	4796	4545	4264
65°	4306	4003	3742
70°	3622	3300	3568
75°	2790	2682	2411
80°	2008	1796	1709
85°	1229	1053	948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	3.7
10°-20°	624.9	10.6
20°-30°	944.0	16.0
30°-40°	1116.8	18.9
40°-50°	1113.5	18.9
50°-60°	940.7	15.9
60°-70°	626.8	10.6
70°-80°	272.3	4.6
80°-90°	49.4	0.8
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°	1786.5	30.2
0°-40°	2903.3	49.2
0°-60°	4957.5	83.9
0°-90°	5906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2295	2295	2295	2295	2295	
5°	2294	2285	2290	2288	2285	218
15°	2223	2213	2216	2213	2212	627
25°	2072	2058	2054	2036	2031	954
35°	1818	1805	1790	1766	1754	1137
45°	1484	1471	1448	1417	1403	1143
55°	1098	1090	1055	1021	1005	980
65°	676	668	629	601	588	668
75°	268	263	258	249	232	293
85°	40	41	34	32	31	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2294.9	2294.9	2294.9	2294.9	2294.9
2.5°	2300.6	2290.4	2294.9	2294.9	2289.2
5°	2293.8	2284.7	2290.4	2288.1	2284.7
7.5°	2283.5	2274.5	2277.9	2276.7	2275.6
10°	2267.6	2258.5	2263.1	2260.8	2258.5
12.5°	2247.2	2238.1	2242.6	2239.2	2236.9
15°	2223.3	2213.1	2216.5	2213.1	2211.9
17.5°	2193.7	2183.5	2184.7	2180.1	2175.6
20°	2157.4	2148.3	2149.4	2138.1	2133.5
22.5°	2115.3	2106.2	2105.1	2090.3	2084.6
25°	2072.1	2058.5	2053.9	2035.8	2031.2
27.5°	2017.6	2005.1	1998.2	1978.9	1969.8
30°	1959.6	1946.0	1934.6	1913.0	1903.9
32.5°	1893.7	1880.0	1865.3	1842.5	1832.3
35°	1817.5	1805.0	1790.2	1766.4	1753.9
37.5°	1741.4	1727.7	1712.9	1684.5	1674.3
40°	1657.2	1644.7	1628.8	1598.1	1586.8
42.5°	1573.1	1558.4	1539.0	1509.5	1497.0
45°	1484.5	1470.8	1448.1	1417.4	1402.6
47.5°	1391.3	1379.9	1356.0	1323.1	1307.2
50°	1293.5	1284.4	1259.4	1223.0	1208.3
52.5°	1200.3	1187.8	1159.4	1123.0	1107.1
55°	1098.0	1090.1	1054.8	1020.7	1004.8
57.5°	995.7	985.5	950.2	916.1	901.4
60°	891.1	882.0	844.5	810.4	792.3
62.5°	785.4	775.2	735.4	704.7	687.7
65°	676.3	668.4	628.6	601.3	587.7
67.5°	567.2	561.5	519.5	496.7	486.5
70°	460.3	452.4	419.4	410.3	453.5
72.5°	361.5	351.2	322.8	308.0	296.7
75°	268.3	262.6	258.0	248.9	231.9
77.5°	188.7	187.5	171.6	159.1	171.6
80°	129.6	134.1	115.9	105.7	110.3
82.5°	79.6	88.7	69.3	61.4	59.1
85°	39.8	40.9	34.1	31.8	30.7
87.5°	14.8	17.0	14.8	12.5	12.5
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)