

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: P506387

Luminaire Tested: **22PD-60-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PR1-L840
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

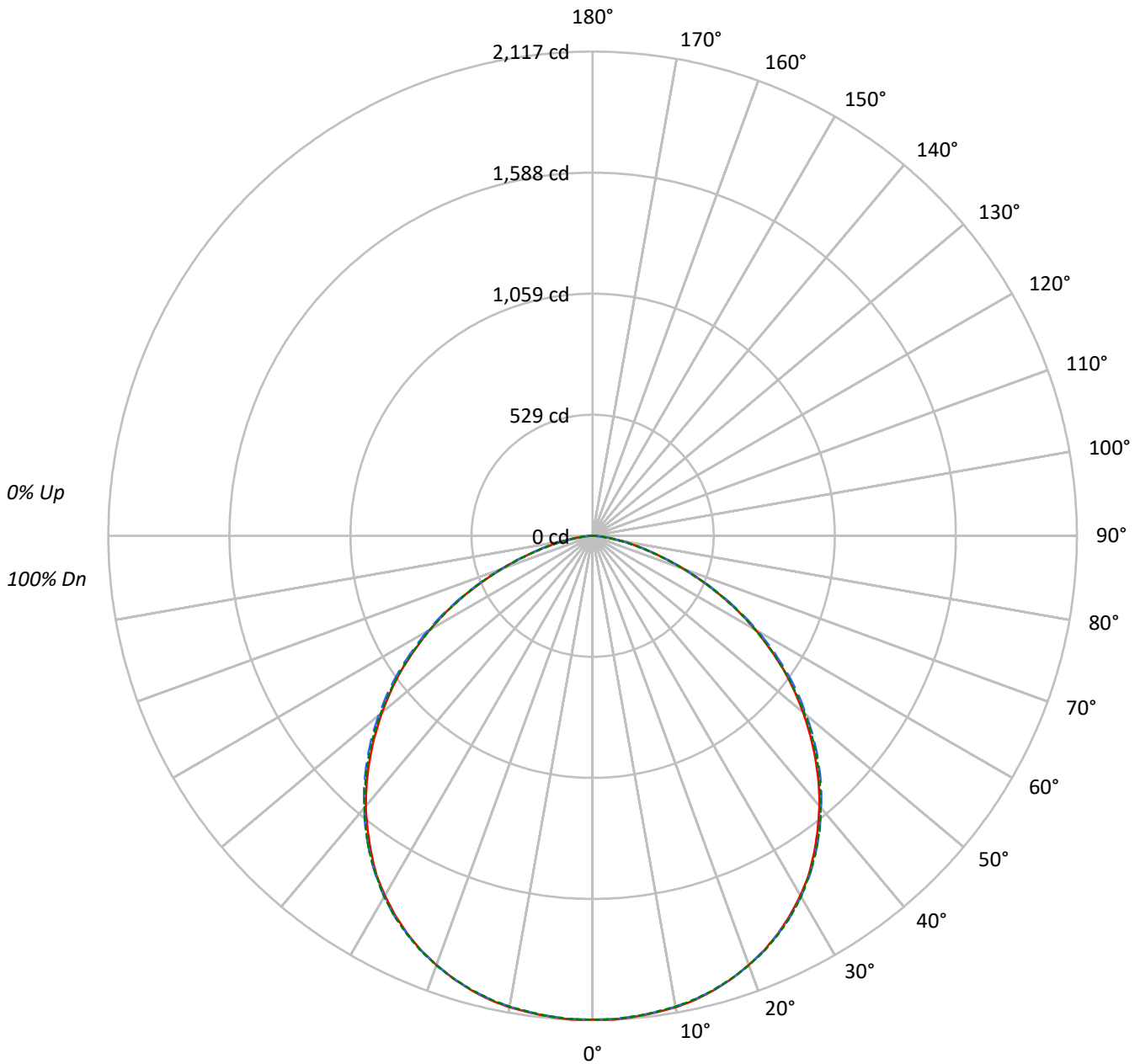
Lumens per Lamp: N/A
Luminaire Lumens: 5654.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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				20				
RC	80				70				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	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5694	5694	5694
5°	5702	5699	5699
10°	5720	5712	5712
15°	5727	5721	5723
20°	5719	5717	5721
25°	5695	5701	5705
30°	5643	5661	5663
35°	5548	5578	5576
40°	5419	5456	5449
45°	5241	5308	5281
50°	5028	5105	5064
55°	4773	4849	4779
60°	4425	4486	4410
65°	3948	3989	3943
70°	3321	3321	3298
75°	2602	2602	2572
80°	1906	1884	1874
85°	1244	1244	1266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	3.6
10°-20°	579.8	10.3
20°-30°	884.5	15.6
30°-40°	1060.0	18.7
40°-50°	1070.6	18.9
50°-60°	915.9	16.2
60°-70°	617.7	10.9
70°-80°	272.5	4.8
80°-90°	52.3	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°	1665.0	29.4
0°-40°	2725.1	48.2
0°-60°	4711.6	83.3
0°-90°	5654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2116	2116	2116	2116	2116	
5°	2111	2108	2110	2108	2110	201
15°	2056	2055	2054	2053	2054	580
25°	1918	1920	1920	1920	1922	883
35°	1689	1699	1698	1697	1697	1056
45°	1377	1388	1395	1393	1388	1061
55°	1017	1026	1034	1032	1019	906
65°	620	625	626	625	619	613
75°	250	251	250	251	247	273
85°	40	40	40	41	41	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2115.9	2115.9	2115.9	2115.9	2115.9
2.5°	2117.3	2114.5	2113.8	2113.1	2115.9
5°	2111.0	2108.1	2109.6	2108.1	2109.6
7.5°	2103.2	2100.4	2101.1	2099.7	2101.1
10°	2093.3	2090.5	2090.5	2089.1	2090.5
12.5°	2077.7	2075.6	2074.9	2073.5	2075.6
15°	2055.8	2055.1	2053.7	2053.0	2054.4
17.5°	2029.0	2027.5	2029.0	2026.8	2028.3
20°	1997.1	1997.9	1996.4	1997.1	1997.9
22.5°	1961.1	1961.1	1961.8	1961.8	1963.2
25°	1918.0	1920.1	1920.1	1920.1	1921.5
27.5°	1869.9	1872.7	1874.8	1873.4	1874.8
30°	1816.2	1821.1	1821.8	1821.1	1822.5
32.5°	1758.2	1761.7	1763.9	1762.4	1761.0
35°	1688.9	1698.8	1698.1	1696.7	1697.4
37.5°	1616.1	1626.0	1629.5	1626.7	1627.4
40°	1542.6	1551.1	1553.2	1553.9	1551.1
42.5°	1461.3	1471.2	1479.0	1475.4	1471.2
45°	1377.1	1387.8	1394.8	1392.7	1387.8
47.5°	1290.2	1300.1	1310.0	1306.5	1301.5
50°	1201.1	1211.0	1219.5	1218.1	1209.6
52.5°	1109.9	1121.2	1129.0	1126.2	1114.9
55°	1017.3	1026.5	1033.6	1032.2	1018.7
57.5°	916.9	928.9	932.5	930.4	920.5
60°	822.2	830.0	833.5	830.7	819.4
62.5°	721.1	727.5	730.3	729.6	721.8
65°	620.0	624.9	626.4	624.9	619.3
67.5°	516.1	523.1	523.9	523.9	518.2
70°	422.1	424.2	422.1	427.7	419.2
72.5°	330.9	332.3	330.9	330.9	327.3
75°	250.3	251.0	250.3	251.0	247.4
77.5°	181.0	182.4	179.6	181.7	178.2
80°	123.0	123.0	121.6	122.3	120.9
82.5°	76.4	77.8	75.6	75.6	74.9
85°	40.3	40.3	40.3	41.0	41.0
87.5°	14.1	14.1	14.8	14.8	14.1
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)