

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: P506386

Luminaire Tested: **22PD-60-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506386
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-L835
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

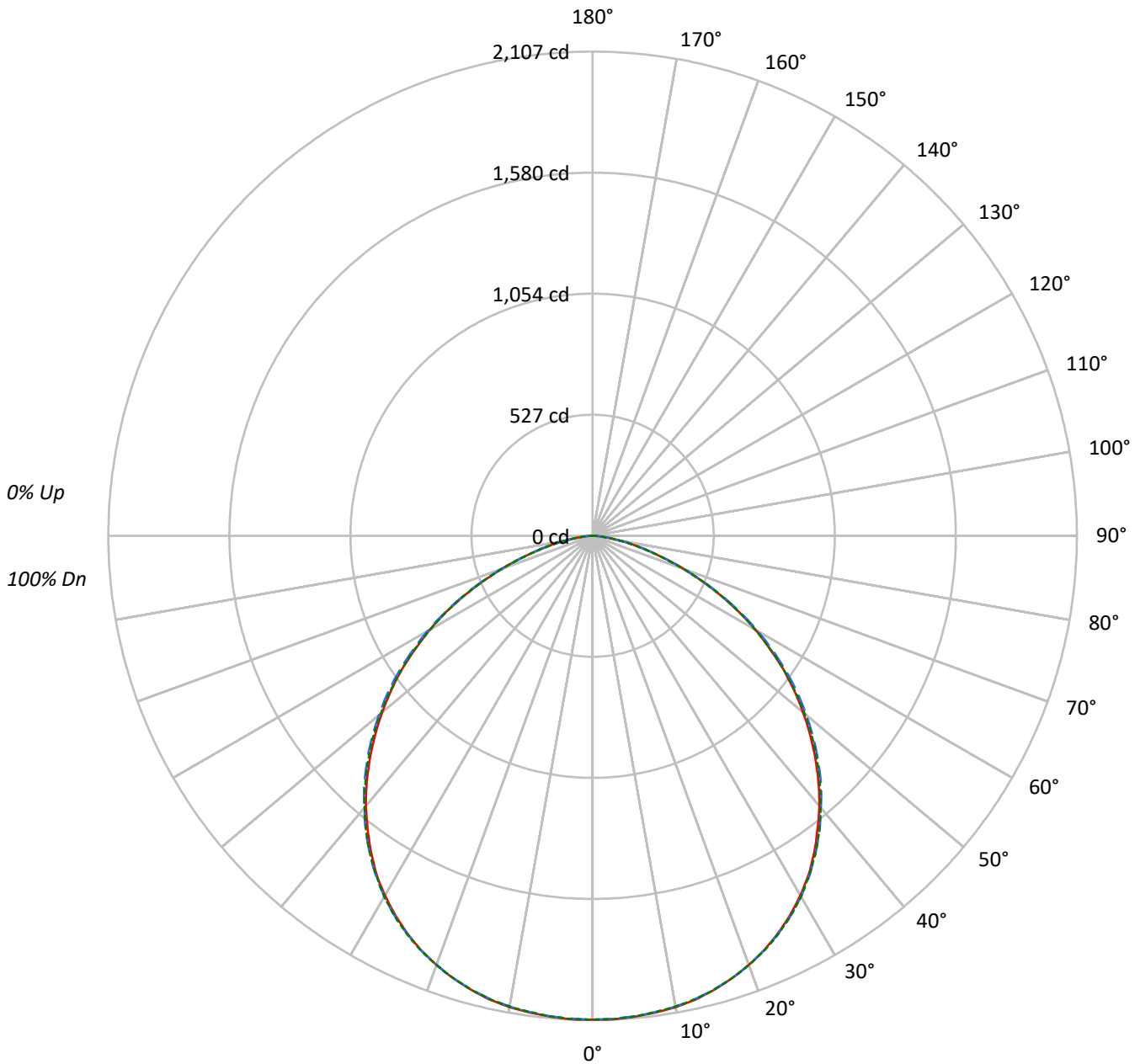
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5626.0 lumens
Efficiency: N/A
Efficacy: 107.2 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									
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	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°	5666	5666	5666
5°	5674	5670	5670
10°	5692	5684	5684
15°	5699	5693	5695
20°	5691	5689	5693
25°	5667	5673	5677
30°	5615	5633	5635
35°	5521	5551	5548
40°	5392	5429	5422
45°	5215	5282	5255
50°	5004	5080	5039
55°	4749	4825	4756
60°	4403	4464	4388
65°	3928	3969	3924
70°	3305	3305	3282
75°	2589	2589	2560
80°	1897	1875	1864
85°	1238	1238	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	3.6
10°-20°	577.0	10.3
20°-30°	880.1	15.6
30°-40°	1054.8	18.7
40°-50°	1065.3	18.9
50°-60°	911.4	16.2
60°-70°	614.6	10.9
70°-80°	271.1	4.8
80°-90°	52.1	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°	1656.8	29.4
0°-40°	2711.6	48.2
0°-60°	4688.2	83.3
0°-90°	5626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2105	2105	2105	2105	2105	
5°	2100	2098	2099	2098	2099	200
15°	2046	2045	2044	2043	2044	577
25°	1908	1911	1911	1911	1912	879
35°	1681	1690	1690	1688	1689	1050
45°	1370	1381	1388	1386	1381	1056
55°	1012	1021	1028	1027	1014	902
65°	617	622	623	622	616	610
75°	249	250	249	250	246	271
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°	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2106.8	2104.0	2103.3	2102.6	2105.4
5°	2100.5	2097.7	2099.1	2097.7	2099.1
7.5°	2092.8	2090.0	2090.7	2089.3	2090.7
10°	2082.9	2080.1	2080.1	2078.7	2080.1
12.5°	2067.5	2065.3	2064.6	2063.2	2065.3
15°	2045.6	2044.9	2043.5	2042.8	2044.2
17.5°	2018.9	2017.5	2018.9	2016.8	2018.2
20°	1987.3	1988.0	1986.6	1987.3	1988.0
22.5°	1951.4	1951.4	1952.1	1952.1	1953.5
25°	1908.5	1910.6	1910.6	1910.6	1912.0
27.5°	1860.6	1863.5	1865.6	1864.2	1865.6
30°	1807.2	1812.1	1812.8	1812.1	1813.5
32.5°	1749.5	1753.0	1755.1	1753.7	1752.3
35°	1680.6	1690.4	1689.7	1688.3	1689.0
37.5°	1608.1	1617.9	1621.5	1618.6	1619.4
40°	1534.9	1543.4	1545.5	1546.2	1543.4
42.5°	1454.0	1463.9	1471.6	1468.1	1463.9
45°	1370.3	1380.9	1387.9	1385.8	1380.9
47.5°	1283.8	1293.7	1303.5	1300.0	1295.1
50°	1195.2	1205.0	1213.5	1212.1	1203.6
52.5°	1104.4	1115.7	1123.4	1120.6	1109.3
55°	1012.3	1021.4	1028.5	1027.0	1013.7
57.5°	912.4	924.3	927.9	925.7	915.9
60°	818.1	825.9	829.4	826.6	815.3
62.5°	717.5	723.9	726.7	726.0	718.2
65°	616.9	621.9	623.3	621.9	616.2
67.5°	513.5	520.6	521.3	521.3	515.6
70°	420.0	422.1	420.0	425.6	417.1
72.5°	329.2	330.6	329.2	329.2	325.7
75°	249.0	249.7	249.0	249.7	246.2
77.5°	180.1	181.5	178.7	180.8	177.3
80°	122.4	122.4	121.0	121.7	120.3
82.5°	76.0	77.4	75.3	75.3	74.6
85°	40.1	40.1	40.1	40.8	40.8
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)