

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: P506359

Luminaire Tested: **22PD-55-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506359
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-55-PR1-L835
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

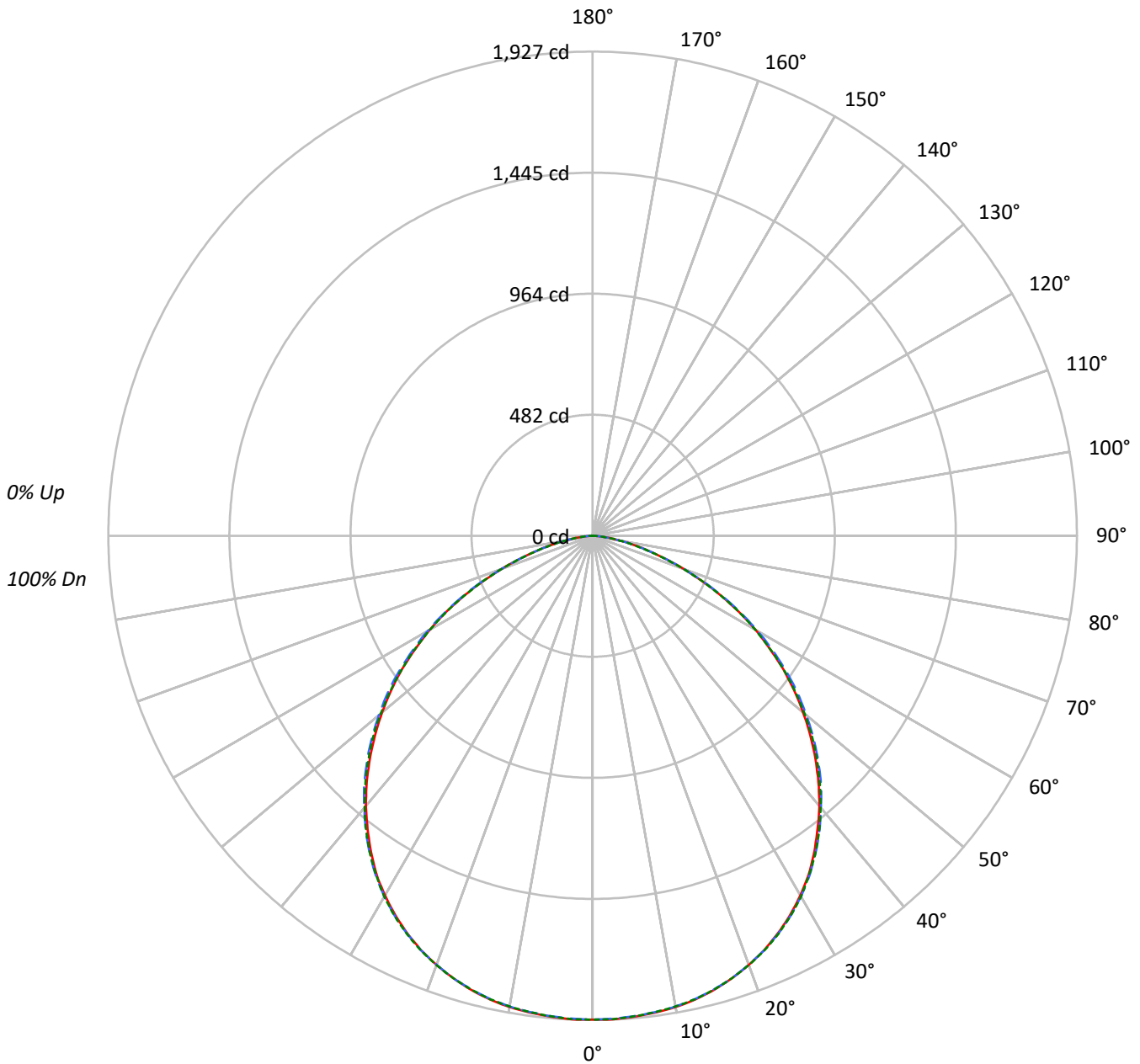
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5145.0 lumens
Efficiency: N/A
Efficacy: 113.3 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): 45.4
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°	5181	5181	5181
5°	5189	5185	5185
10°	5205	5198	5198
15°	5212	5206	5208
20°	5204	5202	5206
25°	5182	5188	5192
30°	5135	5151	5153
35°	5049	5076	5074
40°	4931	4965	4958
45°	4769	4830	4806
50°	4576	4646	4608
55°	4343	4412	4349
60°	4027	4082	4013
65°	3592	3629	3588
70°	3022	3022	3002
75°	2367	2367	2341
80°	1734	1714	1705
85°	1133	1133	1152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	3.6
10°-20°	527.6	10.3
20°-30°	804.8	15.6
30°-40°	964.6	18.7
40°-50°	974.2	18.9
50°-60°	833.5	16.2
60°-70°	562.1	10.9
70°-80°	248.0	4.8
80°-90°	47.6	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°	1515.1	29.4
0°-40°	2479.7	48.2
0°-60°	4287.4	83.3
0°-90°	5145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1925	1925	1925	1925	1925	
5°	1921	1918	1920	1918	1920	183
15°	1871	1870	1869	1868	1870	528
25°	1745	1747	1747	1747	1748	804
35°	1537	1546	1545	1544	1545	961
45°	1253	1263	1269	1267	1263	966
55°	926	934	940	939	927	825
65°	564	569	570	569	564	558
75°	228	228	228	228	225	248
85°	37	37	37	37	37	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1925.4	1925.4	1925.4	1925.4	1925.4
2.5°	1926.7	1924.1	1923.5	1922.9	1925.4
5°	1920.9	1918.4	1919.6	1918.4	1919.6
7.5°	1913.9	1911.3	1911.9	1910.6	1911.9
10°	1904.8	1902.3	1902.3	1901.0	1902.3
12.5°	1890.7	1888.8	1888.1	1886.8	1888.8
15°	1870.8	1870.1	1868.8	1868.2	1869.5
17.5°	1846.3	1845.0	1846.3	1844.4	1845.7
20°	1817.4	1818.0	1816.7	1817.4	1818.0
22.5°	1784.5	1784.5	1785.2	1785.2	1786.5
25°	1745.3	1747.2	1747.2	1747.2	1748.5
27.5°	1701.6	1704.1	1706.1	1704.8	1706.1
30°	1652.7	1657.2	1657.8	1657.2	1658.5
32.5°	1599.9	1603.1	1605.1	1603.8	1602.5
35°	1536.9	1545.9	1545.2	1543.9	1544.6
37.5°	1470.6	1479.6	1482.8	1480.3	1480.9
40°	1403.7	1411.4	1413.4	1414.0	1411.4
42.5°	1329.7	1338.7	1345.8	1342.6	1338.7
45°	1253.2	1262.8	1269.3	1267.3	1262.8
47.5°	1174.0	1183.1	1192.1	1188.8	1184.3
50°	1093.0	1102.0	1109.7	1108.4	1100.7
52.5°	1010.0	1020.3	1027.4	1024.8	1014.5
55°	925.7	934.1	940.5	939.2	927.0
57.5°	834.4	845.3	848.5	846.6	837.6
60°	748.2	755.2	758.5	755.9	745.6
62.5°	656.2	662.0	664.5	663.9	656.8
65°	564.2	568.7	570.0	568.7	563.5
67.5°	469.6	476.1	476.7	476.7	471.5
70°	384.1	386.0	384.1	389.2	381.5
72.5°	301.1	302.4	301.1	301.1	297.9
75°	227.7	228.4	227.7	228.4	225.2
77.5°	164.7	166.0	163.4	165.3	162.1
80°	111.9	111.9	110.6	111.3	110.0
82.5°	69.5	70.8	68.8	68.8	68.2
85°	36.7	36.7	36.7	37.3	37.3
87.5°	12.9	12.9	13.5	13.5	12.9
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)