

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: P506710

Luminaire Tested: **24PD-55-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PR1-L835
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

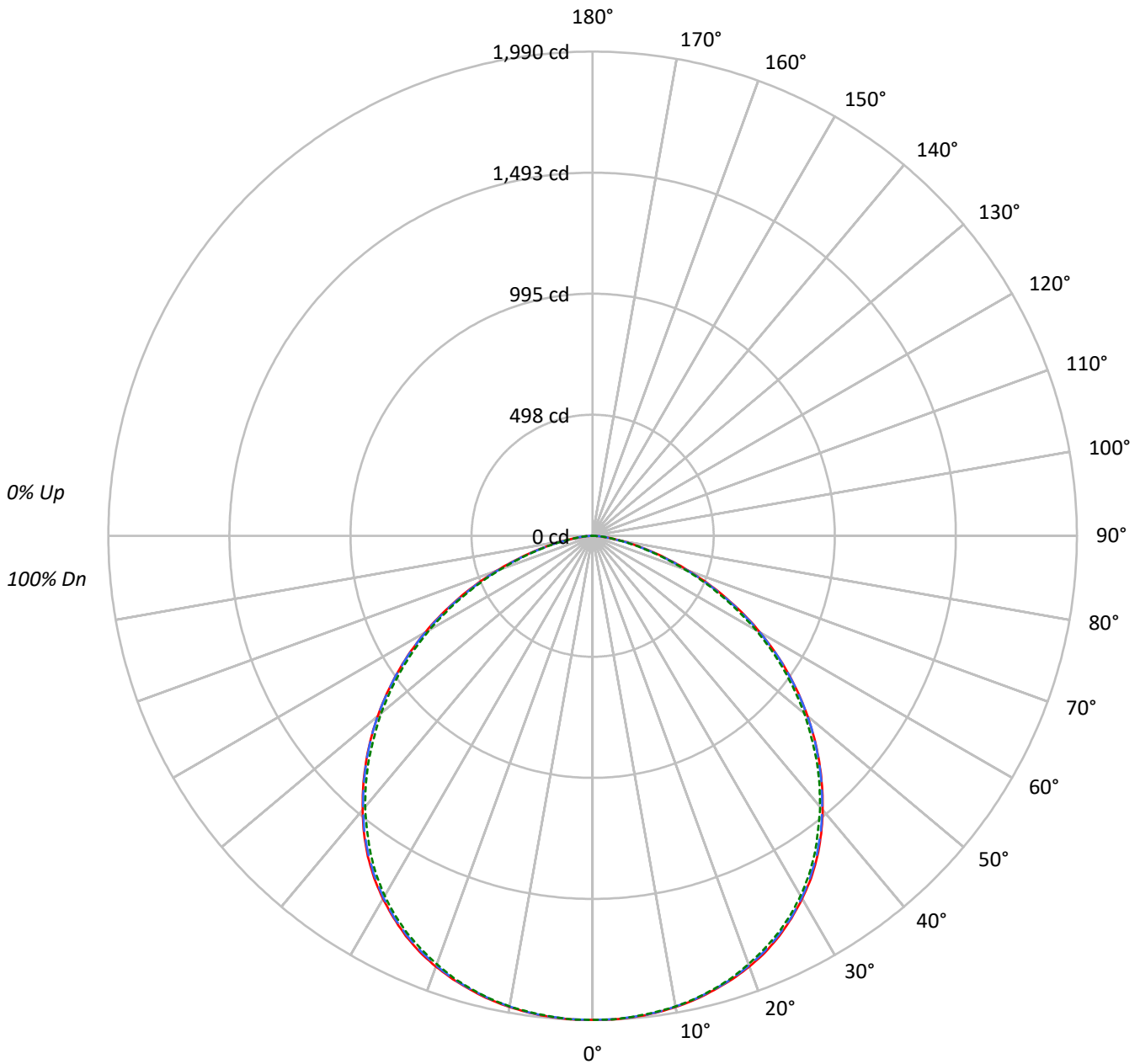
Lumens per Lamp: N/A
Luminaire Lumens: 5356.0 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2677	2677	2677
5°	2681	2680	2679
10°	2687	2684	2684
15°	2692	2689	2686
20°	2698	2691	2683
25°	2695	2687	2676
30°	2677	2669	2655
35°	2644	2636	2615
40°	2583	2576	2554
45°	2507	2503	2474
50°	2413	2412	2376
55°	2295	2290	2247
60°	2139	2131	2082
65°	1927	1904	1860
70°	1645	1621	1581
75°	1301	1272	1242
80°	924	900	872
85°	556	539	523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	3.5
10°-20°	545.2	10.2
20°-30°	833.4	15.6
30°-40°	1000.8	18.7
40°-50°	1011.4	18.9
50°-60°	869.1	16.2
60°-70°	592.8	11.1
70°-80°	266.5	5.0
80°-90°	47.9	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°	1567.4	29.3
0°-40°	2568.2	48.0
0°-60°	4448.7	83.1
0°-90°	5356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1990	1990	1990	1990	1990	
5°	1985	1985	1984	1983	1983	189
15°	1933	1932	1930	1929	1928	546
25°	1815	1815	1810	1804	1802	836
35°	1610	1610	1605	1595	1592	1005
45°	1317	1321	1315	1306	1300	1015
55°	978	982	976	968	958	873
65°	605	608	598	594	584	599
75°	250	252	245	243	239	271
85°	36	36	35	35	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1989.5	1989.5	1989.5	1989.5	1989.5
2.5°	1990.0	1989.5	1988.9	1987.9	1989.5
5°	1985.3	1984.8	1984.3	1983.3	1983.3
7.5°	1978.2	1977.1	1977.1	1975.6	1975.1
10°	1966.9	1966.3	1964.8	1964.8	1964.3
12.5°	1952.5	1951.4	1949.9	1949.4	1948.4
15°	1932.9	1932.4	1930.4	1928.8	1928.3
17.5°	1910.8	1909.3	1907.8	1904.2	1904.2
20°	1884.1	1883.1	1879.5	1875.9	1873.9
22.5°	1853.3	1851.2	1847.1	1843.5	1839.4
25°	1815.3	1814.8	1810.1	1804.0	1802.4
27.5°	1771.1	1772.1	1767.5	1761.3	1758.2
30°	1722.8	1724.8	1718.2	1710.5	1708.9
32.5°	1669.9	1670.4	1664.7	1656.5	1653.4
35°	1609.8	1609.8	1604.6	1594.9	1591.8
37.5°	1543.0	1542.4	1539.4	1528.1	1522.4
40°	1470.5	1473.1	1466.9	1456.6	1454.1
42.5°	1395.5	1398.6	1392.9	1384.2	1378.5
45°	1317.4	1321.0	1315.3	1306.1	1300.4
47.5°	1236.7	1239.3	1235.2	1223.4	1215.7
50°	1153.0	1158.1	1152.5	1140.1	1135.0
52.5°	1066.7	1072.3	1065.6	1056.4	1046.6
55°	978.3	981.9	976.2	967.5	957.7
57.5°	887.3	894.5	885.3	875.0	866.8
60°	794.9	801.0	791.8	782.5	773.8
62.5°	700.8	704.9	694.7	689.0	678.7
65°	605.3	608.3	598.1	594.0	584.2
67.5°	510.7	513.3	503.5	497.9	492.2
70°	418.2	420.3	412.1	406.9	401.8
72.5°	330.9	331.4	323.7	322.2	316.0
75°	250.2	252.3	244.6	243.0	238.9
77.5°	179.8	180.3	175.2	174.2	170.6
80°	119.2	119.7	116.1	115.6	112.5
82.5°	71.9	72.4	69.4	69.4	67.3
85°	36.0	36.5	34.9	34.9	33.9
87.5°	12.3	12.8	12.3	12.3	11.8
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)