

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: P506701

Luminaire Tested: **24PD-55-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PL1-L835
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

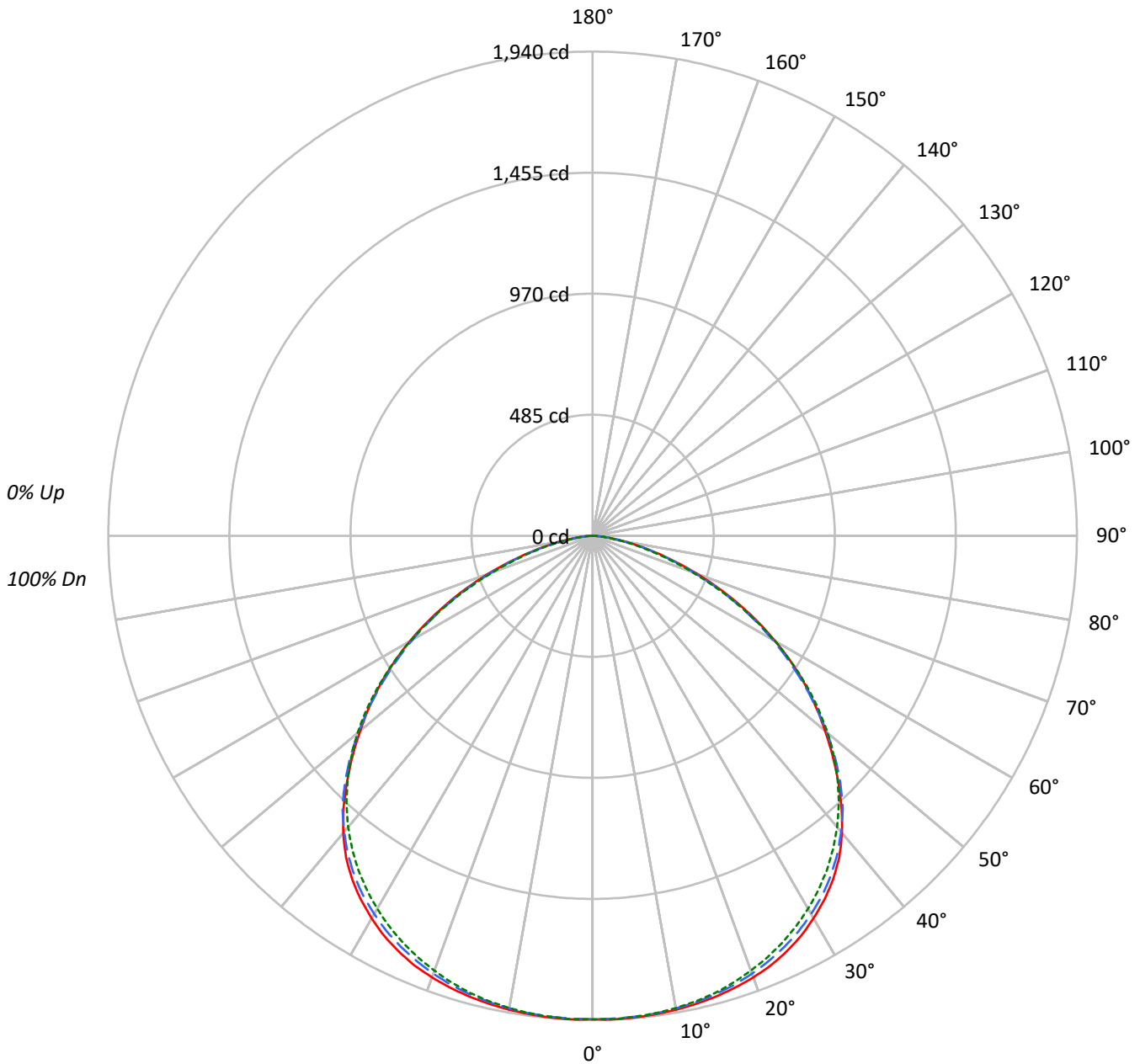
Lumens per Lamp: N/A
Luminaire Lumens: 5557.7 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2607	2607	2607
5°	2617	2612	2613
10°	2635	2627	2625
15°	2662	2649	2641
20°	2696	2674	2655
25°	2729	2698	2671
30°	2750	2719	2681
35°	2760	2732	2686
40°	2730	2720	2676
45°	2647	2671	2642
50°	2544	2563	2572
55°	2434	2415	2452
60°	2277	2240	2268
65°	2049	2008	2006
70°	1745	1705	1665
75°	1373	1343	1288
80°	982	954	900
85°	582	573	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	3.3
10°-20°	537.7	9.7
20°-30°	838.3	15.1
30°-40°	1037.3	18.7
40°-50°	1075.3	19.3
50°-60°	925.8	16.7
60°-70°	628.2	11.3
70°-80°	280.3	5.0
80°-90°	50.4	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°	1560.4	28.1
0°-40°	2597.6	46.7
0°-60°	4598.8	82.7
0°-90°	5557.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5557.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1937	1937	1937	1937	1937	
5°	1937	1935	1934	1934	1935	185
15°	1911	1906	1902	1898	1896	540
25°	1838	1831	1818	1804	1799	847
35°	1680	1675	1663	1645	1636	1049
45°	1391	1397	1404	1398	1388	1072
55°	1038	1038	1030	1041	1045	925
65°	644	646	631	624	630	637
75°	264	266	258	252	248	287
85°	38	38	37	37	34	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1937.4	1937.4	1937.4	1937.4	1937.4
2.5°	1940.0	1935.8	1936.3	1936.8	1938.9
5°	1937.4	1934.7	1934.2	1934.2	1934.7
7.5°	1934.2	1931.0	1930.5	1929.9	1929.9
10°	1928.3	1925.2	1923.0	1922.0	1921.4
12.5°	1920.4	1916.7	1914.0	1911.9	1910.3
15°	1911.4	1906.1	1901.8	1897.6	1896.0
17.5°	1898.6	1893.9	1886.4	1879.5	1876.9
20°	1882.7	1877.9	1867.3	1857.8	1854.1
22.5°	1864.2	1857.3	1844.0	1833.4	1828.1
25°	1838.2	1831.3	1817.5	1804.2	1798.9
27.5°	1807.9	1801.6	1786.7	1770.8	1764.4
30°	1770.3	1766.0	1750.1	1732.6	1725.7
32.5°	1728.3	1724.1	1710.3	1690.7	1682.7
35°	1680.1	1675.3	1663.1	1645.1	1635.5
37.5°	1622.8	1621.2	1609.5	1590.9	1581.9
40°	1554.3	1557.5	1548.5	1532.6	1523.6
42.5°	1476.4	1483.3	1483.3	1468.4	1459.4
45°	1391.0	1397.3	1403.7	1398.4	1388.3
47.5°	1303.4	1310.3	1317.7	1319.9	1311.4
50°	1215.4	1219.6	1224.4	1233.9	1228.6
52.5°	1127.8	1129.4	1127.8	1140.6	1139.5
55°	1037.6	1038.2	1029.7	1041.4	1045.1
57.5°	943.7	945.3	931.5	937.9	945.9
60°	846.1	847.7	832.3	833.4	843.0
62.5°	745.3	747.5	732.1	728.4	736.9
65°	643.5	646.1	630.8	623.9	630.2
67.5°	542.2	545.3	531.0	522.5	524.1
70°	443.5	446.1	433.4	425.5	423.3
72.5°	349.6	352.2	342.2	334.2	330.5
75°	264.2	266.3	258.3	252.5	247.7
77.5°	189.9	191.5	185.1	180.9	176.1
80°	126.8	127.3	123.1	120.4	116.2
82.5°	75.9	76.4	73.7	72.7	69.5
85°	37.7	38.2	37.1	37.1	34.5
87.5°	13.3	12.7	13.3	13.3	11.7
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)