

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: P506700

Luminaire Tested: **24PD-55-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506700
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-L830
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

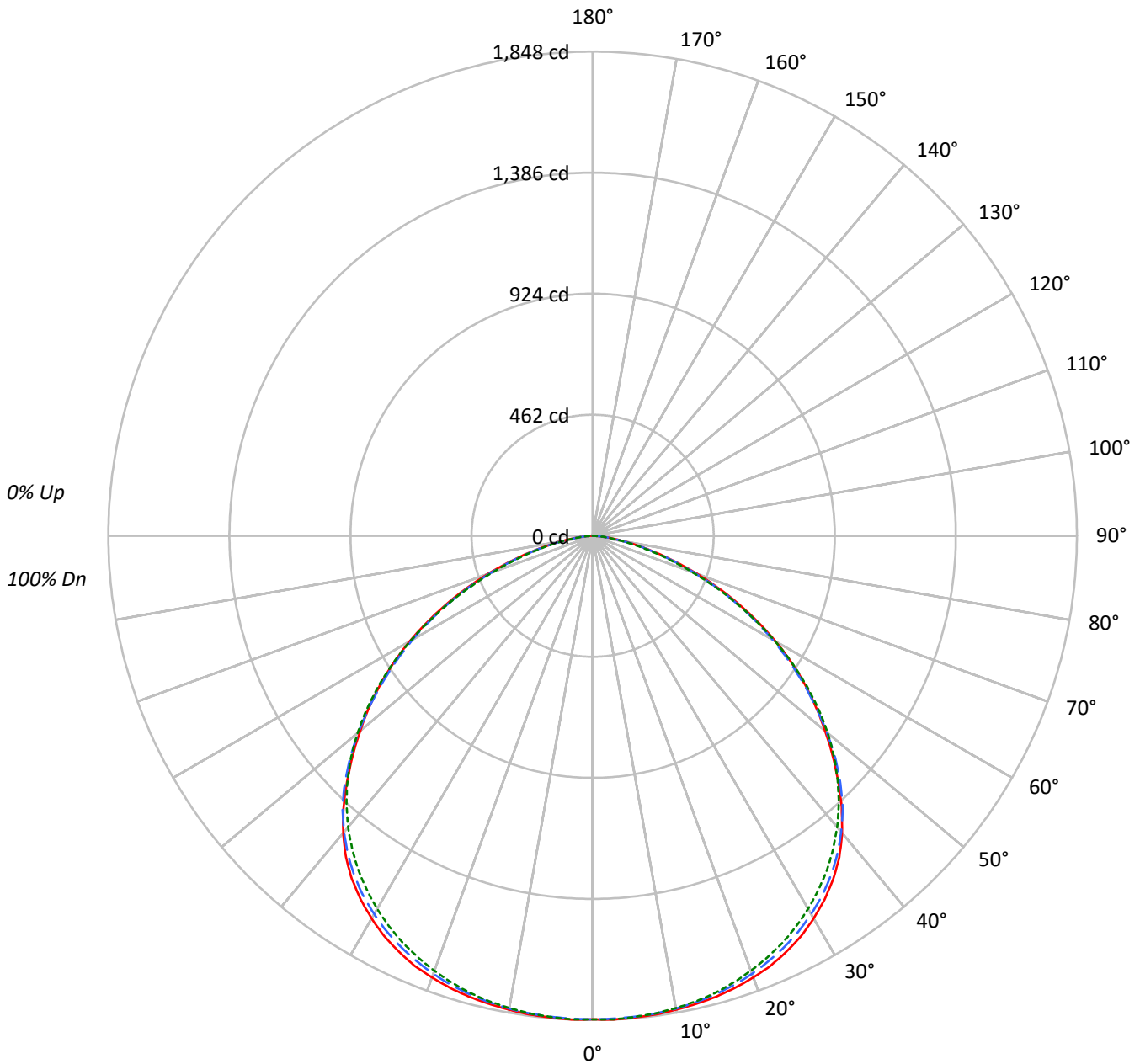
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5295.1 lumens
Efficiency: N/A
Efficacy: 128.5 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°	2484	2484	2484
5°	2493	2489	2490
10°	2510	2503	2501
15°	2537	2524	2516
20°	2568	2547	2529
25°	2600	2571	2544
30°	2620	2591	2554
35°	2629	2603	2559
40°	2601	2591	2550
45°	2522	2545	2517
50°	2424	2442	2450
55°	2319	2301	2336
60°	2169	2134	2161
65°	1952	1913	1911
70°	1662	1624	1587
75°	1308	1279	1227
80°	936	909	858
85°	554	546	508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	3.3
10°-20°	512.3	9.7
20°-30°	798.6	15.1
30°-40°	988.3	18.7
40°-50°	1024.5	19.3
50°-60°	882.1	16.7
60°-70°	598.5	11.3
70°-80°	267.1	5.0
80°-90°	48.0	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°	1486.6	28.1
0°-40°	2474.9	46.7
0°-60°	4381.5	82.7
0°-90°	5295.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5295.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1846	1846	1846	1846	1846	
5°	1846	1843	1843	1843	1843	176
15°	1821	1816	1812	1808	1806	515
25°	1751	1745	1732	1719	1714	807
35°	1601	1596	1584	1567	1558	999
45°	1325	1331	1337	1332	1323	1021
55°	989	989	981	992	996	882
65°	613	616	601	594	600	607
75°	252	254	246	241	236	273
85°	36	36	35	35	33	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1845.8	1845.8	1845.8	1845.8	1845.8
2.5°	1848.3	1844.3	1844.8	1845.3	1847.3
5°	1845.8	1843.3	1842.8	1842.8	1843.3
7.5°	1842.8	1839.8	1839.2	1838.7	1838.7
10°	1837.2	1834.2	1832.2	1831.2	1830.7
12.5°	1829.6	1826.1	1823.6	1821.6	1820.0
15°	1821.1	1816.0	1812.0	1807.9	1806.4
17.5°	1808.9	1804.4	1797.3	1790.7	1788.2
20°	1793.8	1789.2	1779.1	1770.0	1766.5
22.5°	1776.1	1769.5	1756.9	1746.8	1741.7
25°	1751.3	1744.7	1731.6	1719.0	1713.9
27.5°	1722.5	1716.4	1702.3	1687.1	1681.0
30°	1686.6	1682.6	1667.4	1650.7	1644.2
32.5°	1646.7	1642.6	1629.5	1610.8	1603.2
35°	1600.7	1596.1	1584.5	1567.3	1558.2
37.5°	1546.1	1544.6	1533.5	1515.8	1507.2
40°	1480.9	1483.9	1475.3	1460.2	1451.6
42.5°	1406.6	1413.2	1413.2	1399.0	1390.4
45°	1325.2	1331.3	1337.4	1332.3	1322.7
47.5°	1241.8	1248.4	1255.5	1257.5	1249.4
50°	1157.9	1162.0	1166.5	1175.6	1170.6
52.5°	1074.5	1076.1	1074.5	1086.7	1085.7
55°	988.6	989.1	981.0	992.2	995.7
57.5°	899.2	900.7	887.5	893.6	901.2
60°	806.2	807.7	793.0	794.0	803.1
62.5°	710.1	712.1	697.5	694.0	702.0
65°	613.1	615.6	601.0	594.4	600.4
67.5°	516.5	519.6	505.9	497.8	499.4
70°	422.5	425.1	412.9	405.4	403.3
72.5°	333.1	335.6	326.0	318.4	314.9
75°	251.7	253.7	246.1	240.6	236.0
77.5°	180.9	182.5	176.4	172.4	167.8
80°	120.8	121.3	117.3	114.7	110.7
82.5°	72.3	72.8	70.3	69.2	66.2
85°	35.9	36.4	35.4	35.4	32.9
87.5°	12.6	12.1	12.6	12.6	11.1
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)