

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: P506358

Luminaire Tested: **22PD-55-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506358
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-L830
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

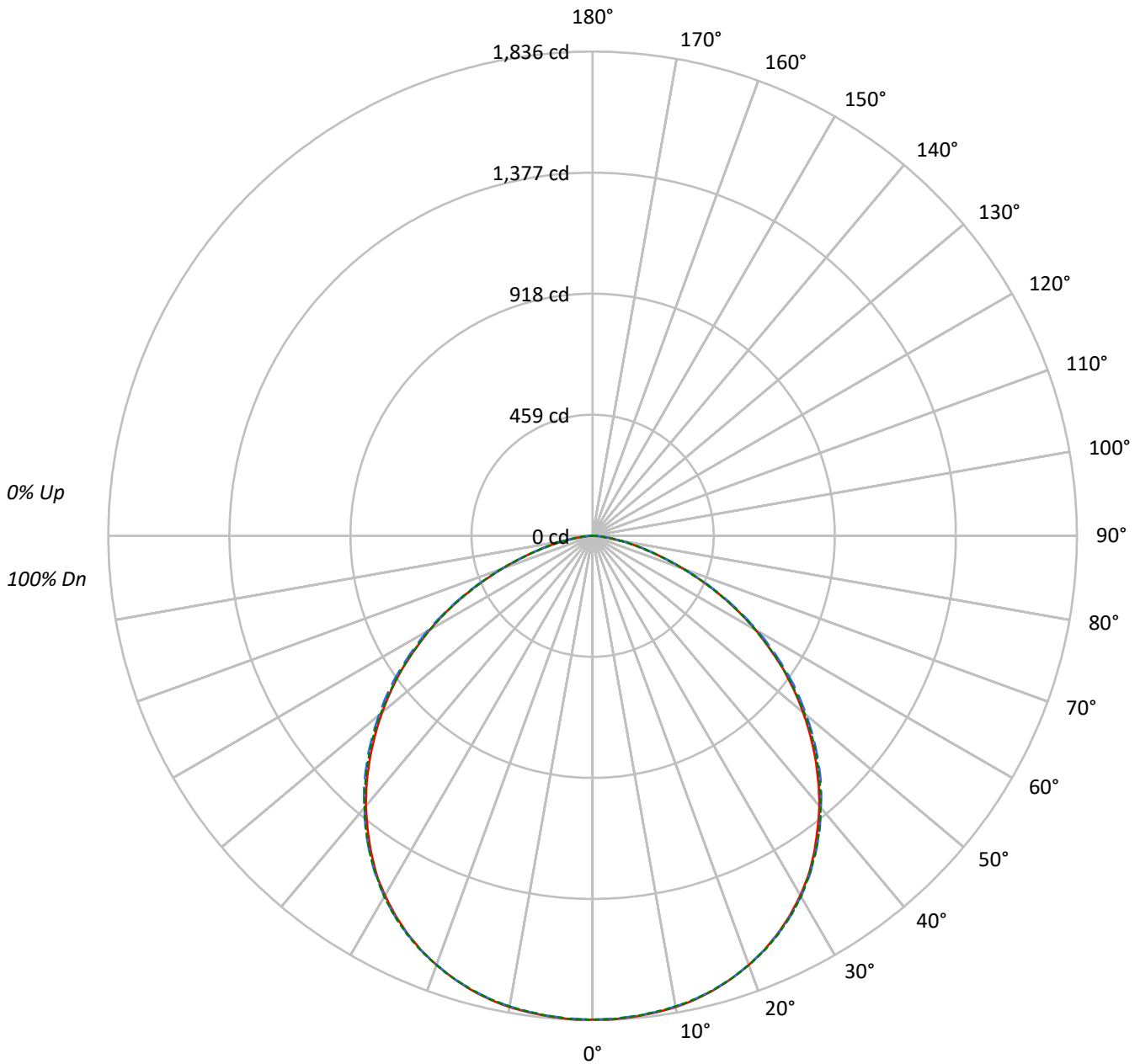
Lumens per Lamp: N/A
Luminaire Lumens: 4902.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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				20				
RC	80				70				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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4937	4937	4937
5°	4944	4941	4941
10°	4959	4952	4952
15°	4966	4961	4962
20°	4958	4957	4960
25°	4937	4943	4946
30°	4893	4908	4910
35°	4810	4837	4834
40°	4698	4730	4724
45°	4544	4602	4579
50°	4360	4426	4390
55°	4138	4204	4144
60°	3836	3889	3823
65°	3422	3458	3419
70°	2879	2879	2860
75°	2256	2256	2230
80°	1652	1633	1624
85°	1078	1078	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	3.6
10°-20°	502.7	10.3
20°-30°	766.8	15.6
30°-40°	919.0	18.7
40°-50°	928.2	18.9
50°-60°	794.1	16.2
60°-70°	535.5	10.9
70°-80°	236.3	4.8
80°-90°	45.3	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°	1443.6	29.4
0°-40°	2362.6	48.2
0°-60°	4084.9	83.3
0°-90°	4902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1834	1834	1834	1834	1834	
5°	1830	1828	1829	1828	1829	174
15°	1782	1782	1781	1780	1781	503
25°	1663	1665	1665	1665	1666	766
35°	1464	1473	1472	1471	1472	915
45°	1194	1203	1209	1208	1203	920
55°	882	890	896	895	883	786
65°	538	542	543	542	537	531
75°	217	218	217	218	214	236
85°	35	35	35	36	36	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1834.5	1834.5	1834.5	1834.5	1834.5
2.5°	1835.7	1833.3	1832.7	1832.0	1834.5
5°	1830.2	1827.8	1829.0	1827.8	1829.0
7.5°	1823.5	1821.0	1821.6	1820.4	1821.6
10°	1814.9	1812.4	1812.4	1811.2	1812.4
12.5°	1801.4	1799.6	1798.9	1797.7	1799.6
15°	1782.4	1781.8	1780.6	1779.9	1781.2
17.5°	1759.1	1757.9	1759.1	1757.3	1758.5
20°	1731.5	1732.1	1730.9	1731.5	1732.1
22.5°	1700.3	1700.3	1700.9	1700.9	1702.1
25°	1662.9	1664.7	1664.7	1664.7	1665.9
27.5°	1621.2	1623.6	1625.5	1624.3	1625.5
30°	1574.6	1578.9	1579.5	1578.9	1580.1
32.5°	1524.4	1527.4	1529.3	1528.0	1526.8
35°	1464.3	1472.9	1472.3	1471.0	1471.6
37.5°	1401.2	1409.7	1412.8	1410.3	1411.0
40°	1337.4	1344.8	1346.6	1347.2	1344.8
42.5°	1266.9	1275.5	1282.2	1279.2	1275.5
45°	1194.0	1203.2	1209.3	1207.5	1203.2
47.5°	1118.6	1127.2	1135.8	1132.7	1128.4
50°	1041.4	1049.9	1057.3	1056.1	1048.7
52.5°	962.3	972.1	978.8	976.4	966.6
55°	882.0	890.0	896.1	894.9	883.2
57.5°	795.0	805.4	808.5	806.6	798.0
60°	712.8	719.6	722.6	720.2	710.4
62.5°	625.2	630.7	633.2	632.5	625.8
65°	537.5	541.8	543.1	541.8	536.9
67.5°	447.4	453.6	454.2	454.2	449.3
70°	365.9	367.8	365.9	370.8	363.5
72.5°	286.9	288.1	286.9	286.9	283.8
75°	217.0	217.6	217.0	217.6	214.5
77.5°	156.9	158.1	155.7	157.5	154.5
80°	106.6	106.6	105.4	106.0	104.8
82.5°	66.2	67.4	65.6	65.6	65.0
85°	34.9	34.9	34.9	35.5	35.5
87.5°	12.3	12.3	12.9	12.9	12.3
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)