

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: P506360

Luminaire Tested: **22PD-55-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506360
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-L840
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

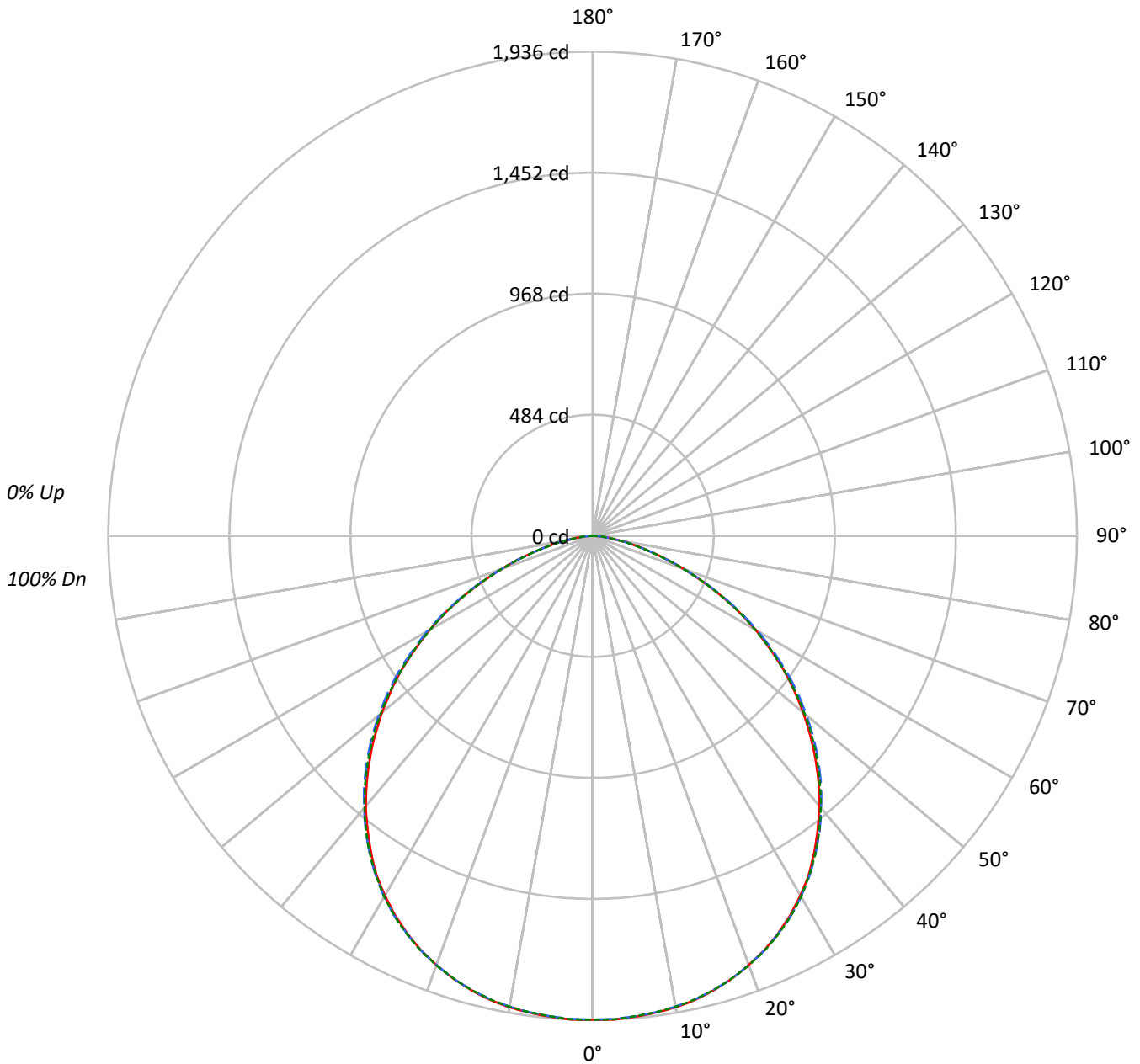
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5171.0 lumens
Efficiency: N/A
Efficacy: 113.9 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

TEST NUMBER: P506360
CATALOG NUMBER: 22PD-55-PR1-L840

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°	5208	5208	5208
5°	5215	5212	5212
10°	5231	5224	5224
15°	5238	5233	5234
20°	5231	5229	5233
25°	5208	5214	5218
30°	5161	5177	5179
35°	5074	5102	5100
40°	4956	4990	4983
45°	4793	4855	4830
50°	4599	4669	4631
55°	4365	4435	4371
60°	4047	4103	4033
65°	3610	3648	3606
70°	3037	3037	3017
75°	2380	2380	2353
80°	1743	1723	1714
85°	1139	1139	1158



TEST NUMBER: P506360

CATALOG NUMBER: 22PD-55-PR1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	3.6
10°-20°	530.3	10.3
20°-30°	808.9	15.6
30°-40°	969.5	18.7
40°-50°	979.1	18.9
50°-60°	837.7	16.2
60°-70°	564.9	10.9
70°-80°	249.2	4.8
80°-90°	47.8	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°	1522.8	29.4
0°-40°	2492.3	48.2
0°-60°	4309.1	83.3
0°-90°	5171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1935	1935	1935	1935	1935	
5°	1931	1928	1929	1928	1929	184
15°	1880	1880	1878	1878	1879	531
25°	1754	1756	1756	1756	1757	808
35°	1545	1554	1553	1552	1552	965
45°	1260	1269	1276	1274	1269	971
55°	930	939	945	944	932	829
65°	567	572	573	572	566	560
75°	229	230	229	230	226	249
85°	37	37	37	38	38	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1935.2	1935.2	1935.2	1935.2	1935.2
2.5°	1936.5	1933.9	1933.2	1932.6	1935.2
5°	1930.6	1928.1	1929.3	1928.1	1929.3
7.5°	1923.5	1920.9	1921.6	1920.3	1921.6
10°	1914.5	1911.9	1911.9	1910.6	1911.9
12.5°	1900.2	1898.3	1897.7	1896.4	1898.3
15°	1880.2	1879.6	1878.3	1877.6	1878.9
17.5°	1855.6	1854.3	1855.6	1853.7	1855.0
20°	1826.5	1827.2	1825.9	1826.5	1827.2
22.5°	1793.6	1793.6	1794.2	1794.2	1795.5
25°	1754.1	1756.1	1756.1	1756.1	1757.4
27.5°	1710.2	1712.7	1714.7	1713.4	1714.7
30°	1661.0	1665.5	1666.2	1665.5	1666.8
32.5°	1608.0	1611.2	1613.2	1611.9	1610.6
35°	1544.6	1553.7	1553.0	1551.8	1552.4
37.5°	1478.0	1487.1	1490.3	1487.7	1488.4
40°	1410.8	1418.6	1420.5	1421.1	1418.6
42.5°	1336.4	1345.5	1352.6	1349.4	1345.5
45°	1259.5	1269.2	1275.7	1273.7	1269.2
47.5°	1180.0	1189.0	1198.1	1194.8	1190.3
50°	1098.5	1107.6	1115.3	1114.0	1106.3
52.5°	1015.1	1025.4	1032.6	1030.0	1019.6
55°	930.4	938.8	945.3	944.0	931.7
57.5°	838.6	849.6	852.8	850.9	841.8
60°	752.0	759.1	762.3	759.7	749.4
62.5°	659.5	665.3	667.9	667.3	660.1
65°	567.0	571.6	572.9	571.6	566.4
67.5°	472.0	478.5	479.1	479.1	473.9
70°	386.0	387.9	386.0	391.2	383.4
72.5°	302.6	303.9	302.6	302.6	299.4
75°	228.9	229.5	228.9	229.5	226.3
77.5°	165.5	166.8	164.2	166.2	162.9
80°	112.5	112.5	111.2	111.9	110.6
82.5°	69.8	71.1	69.2	69.2	68.5
85°	36.9	36.9	36.9	37.5	37.5
87.5°	12.9	12.9	13.6	13.6	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)