

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: P506351

Luminaire Tested: **22PD-55-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PL1-L840
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

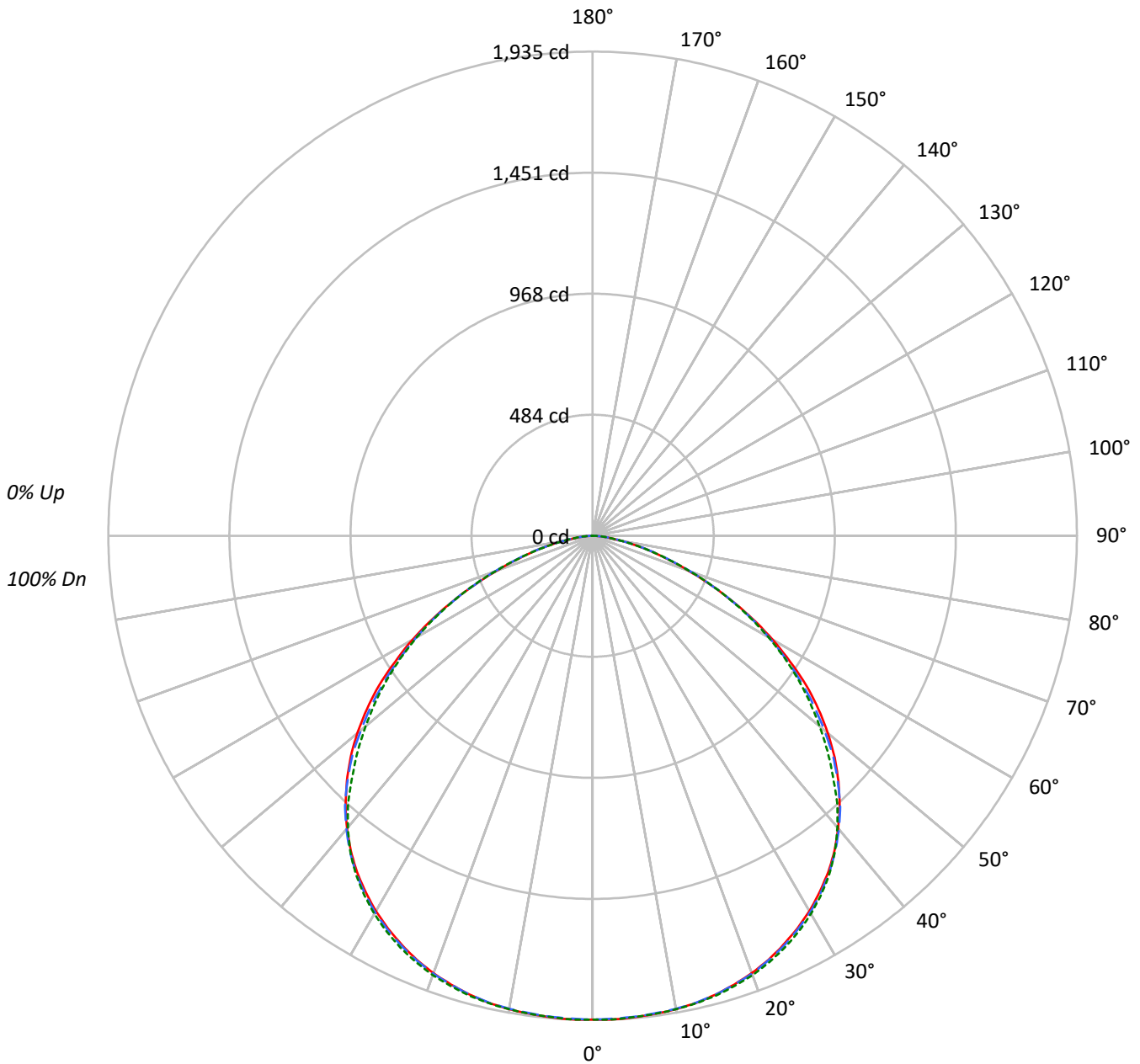
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.0 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
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: P506351
CATALOG NUMBER: 22PD-55-PL1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P506351

CATALOG NUMBER: 22PD-55-PL1-L840

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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5204	5204	5204
5°	5218	5212	5214
10°	5250	5245	5250
15°	5288	5288	5300
20°	5327	5333	5350
25°	5355	5367	5393
30°	5382	5399	5420
35°	5390	5408	5419
40°	5362	5377	5343
45°	5286	5270	5164
50°	5136	5057	4954
55°	4887	4763	4708
60°	4474	4390	4364
65°	3902	3893	3880
70°	3198	3252	3241
75°	2534	2576	2534
80°	1857	1847	1836
85°	1241	1220	1303



TEST NUMBER: P506351

CATALOG NUMBER: 22PD-55-PL1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	3.4
10°-20°	536.5	9.8
20°-30°	833.9	15.2
30°-40°	1028.1	18.8
40°-50°	1061.9	19.4
50°-60°	908.6	16.6
60°-70°	606.4	11.1
70°-80°	266.1	4.9
80°-90°	51.5	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°	1554.3	28.4
0°-40°	2582.4	47.2
0°-60°	4553.0	83.1
0°-90°	5477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1934	1934	1934	1934	1934	
5°	1932	1929	1930	1928	1930	184
15°	1898	1896	1898	1900	1902	536
25°	1804	1804	1808	1813	1816	832
35°	1641	1641	1646	1650	1650	1025
45°	1389	1388	1385	1372	1357	1069
55°	1042	1029	1015	1010	1004	926
65°	613	611	611	614	609	608
75°	244	242	248	246	244	264
85°	40	40	40	41	42	52
90°	0	0	0	0	0	



TEST NUMBER: P506351

CATALOG NUMBER: 22PD-55-PL1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1933.7	1933.7	1933.7	1933.7	1933.7
2.5°	1935.0	1932.3	1931.6	1931.6	1935.0
5°	1931.6	1928.9	1929.6	1928.2	1930.2
7.5°	1926.8	1924.1	1924.8	1924.1	1926.8
10°	1921.4	1918.7	1919.4	1918.7	1921.4
12.5°	1911.9	1909.8	1911.2	1911.9	1913.9
15°	1898.2	1896.2	1898.2	1899.6	1902.3
17.5°	1880.5	1879.2	1881.2	1883.3	1886.7
20°	1860.1	1858.8	1862.2	1864.2	1868.3
22.5°	1834.9	1833.6	1837.0	1841.7	1844.5
25°	1803.6	1803.6	1807.7	1813.1	1816.5
27.5°	1770.2	1769.6	1774.3	1779.8	1783.2
30°	1732.1	1730.8	1737.6	1742.3	1744.4
32.5°	1687.9	1688.5	1694.7	1699.4	1700.1
35°	1640.9	1640.9	1646.3	1649.7	1649.7
37.5°	1587.1	1586.4	1591.9	1593.2	1591.2
40°	1526.5	1527.2	1530.6	1529.9	1521.0
42.5°	1461.1	1461.8	1464.5	1455.0	1446.2
45°	1389.0	1388.3	1384.9	1371.9	1357.0
47.5°	1312.0	1308.6	1303.2	1283.4	1272.5
50°	1226.9	1221.5	1207.9	1192.2	1183.3
52.5°	1137.0	1127.5	1113.9	1101.6	1094.1
55°	1041.7	1028.8	1015.2	1009.7	1003.6
57.5°	935.5	927.3	915.8	913.0	909.0
60°	831.3	822.5	815.7	815.7	810.9
62.5°	722.4	716.9	714.2	715.6	710.8
65°	612.8	611.4	611.4	613.5	609.4
67.5°	506.6	509.3	508.6	515.4	510.0
70°	406.5	411.2	413.3	420.1	411.9
72.5°	320.0	320.7	323.4	325.5	321.4
75°	243.7	241.7	247.8	246.5	243.7
77.5°	176.3	175.0	177.0	178.4	175.0
80°	119.8	118.5	119.2	121.2	118.5
82.5°	75.6	74.2	74.2	76.3	75.6
85°	40.2	39.5	39.5	40.9	42.2
87.5°	14.3	13.6	14.3	14.3	14.3
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)