

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: P506370

Luminaire Tested: **22PD-55-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PW1-L850
Description: 5500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

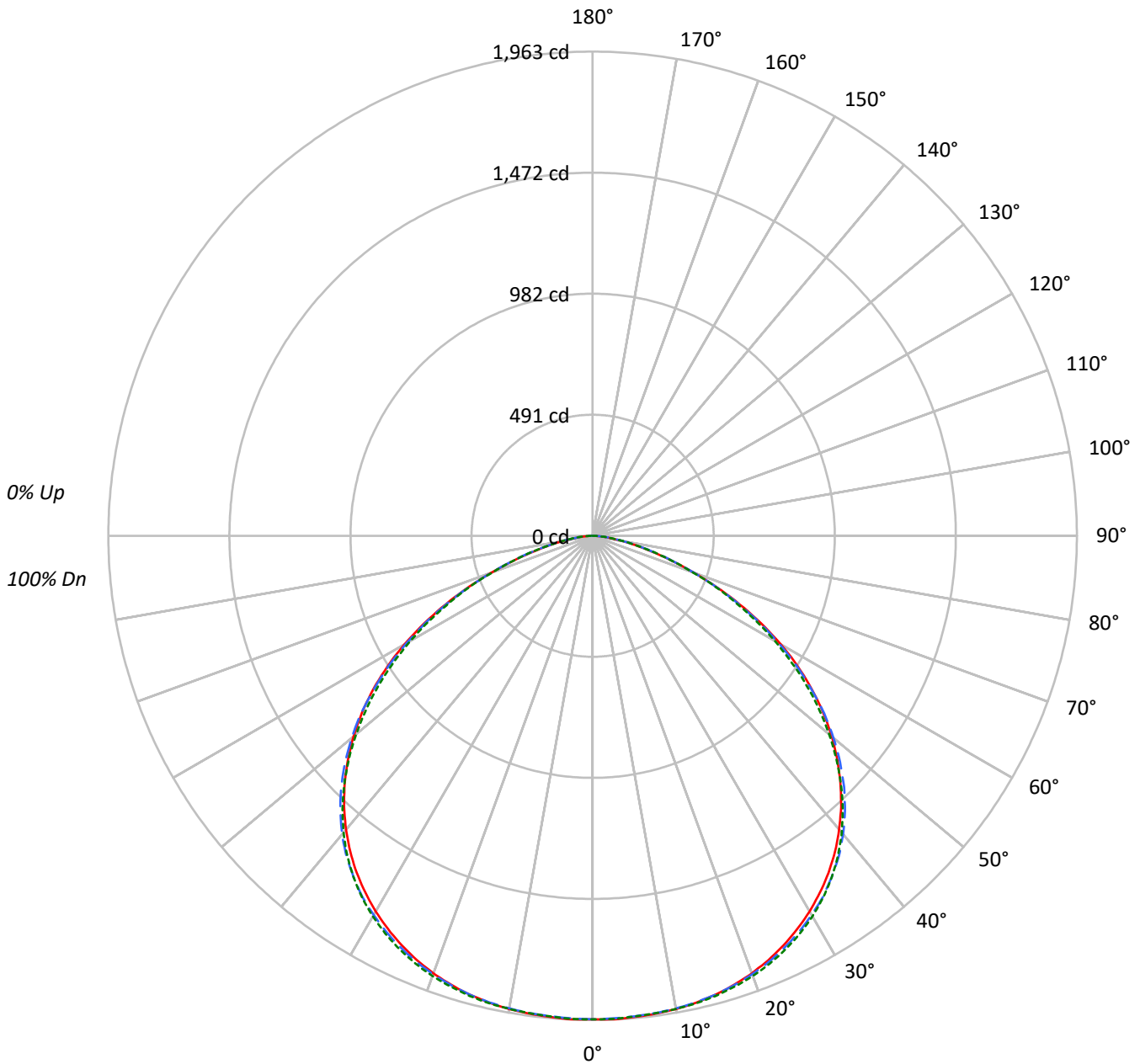
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5667.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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									
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	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	5276	5276	5276
5°	5290	5283	5284
10°	5325	5317	5323
15°	5366	5364	5380
20°	5405	5418	5440
25°	5438	5470	5494
30°	5465	5517	5537
35°	5478	5549	5552
40°	5462	5550	5518
45°	5408	5485	5418
50°	5297	5336	5239
55°	5092	5069	4974
60°	4740	4687	4589
65°	4180	4140	4060
70°	3423	3440	3368
75°	2593	2680	2659
80°	1878	1954	1922
85°	1232	1275	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	3.3
10°-20°	544.5	9.6
20°-30°	848.9	15.0
30°-40°	1052.1	18.6
40°-50°	1100.9	19.4
50°-60°	959.3	16.9
60°-70°	642.6	11.3
70°-80°	278.6	4.9
80°-90°	53.6	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°	1579.8	27.9
0°-40°	2631.9	46.4
0°-60°	4692.2	82.8
0°-90°	5667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1958	1956	1956	1955	1956	187
15°	1926	1923	1925	1928	1931	544
25°	1832	1832	1842	1848	1850	845
35°	1668	1674	1689	1691	1690	1043
45°	1421	1429	1441	1429	1424	1094
55°	1085	1085	1080	1068	1060	966
65°	656	653	650	644	638	649
75°	249	254	258	256	256	275
85°	40	43	41	42	44	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.5	1960.5	1960.5	1960.5	1960.5
2.5°	1962.6	1959.1	1958.4	1958.4	1960.5
5°	1958.4	1956.3	1955.6	1954.9	1956.3
7.5°	1954.2	1951.4	1952.1	1950.7	1952.1
10°	1948.6	1945.8	1945.8	1945.8	1947.9
12.5°	1938.8	1936.7	1937.4	1938.8	1941.6
15°	1926.1	1923.3	1925.4	1927.5	1931.0
17.5°	1908.6	1906.5	1910.0	1913.5	1916.3
20°	1887.6	1885.5	1891.8	1896.7	1899.5
22.5°	1861.7	1861.0	1869.4	1875.0	1877.1
25°	1831.6	1832.3	1842.1	1847.7	1850.5
27.5°	1797.2	1798.6	1811.2	1816.1	1818.9
30°	1758.7	1762.2	1775.5	1779.7	1781.8
32.5°	1715.2	1720.1	1736.3	1739.1	1739.1
35°	1667.6	1673.9	1689.3	1691.4	1690.0
37.5°	1614.3	1621.4	1638.9	1636.1	1634.0
40°	1554.8	1562.5	1580.0	1574.4	1570.9
42.5°	1491.0	1498.7	1514.1	1505.7	1500.8
45°	1421.0	1428.7	1441.3	1429.4	1423.8
47.5°	1345.3	1354.4	1360.7	1347.4	1340.4
50°	1265.4	1268.2	1274.5	1259.1	1251.4
52.5°	1178.5	1178.5	1183.4	1166.6	1157.5
55°	1085.3	1084.6	1080.4	1068.5	1060.1
57.5°	986.5	982.3	979.5	966.9	957.1
60°	880.7	874.4	870.9	860.4	852.7
62.5°	770.0	766.5	762.3	753.9	745.5
65°	656.5	653.0	650.2	643.9	637.6
67.5°	543.7	541.6	541.6	537.4	536.7
70°	435.1	436.5	437.2	437.2	428.1
72.5°	337.0	337.7	341.2	338.4	337.7
75°	249.4	253.6	257.8	255.7	255.7
77.5°	179.4	185.7	185.7	184.3	182.2
80°	121.2	124.0	126.1	125.4	124.0
82.5°	77.1	79.2	77.1	78.5	79.2
85°	39.9	42.7	41.3	42.0	44.1
87.5°	13.3	14.7	15.4	14.7	14.7
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)