

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: P506721

Luminaire Tested: **24PD-55-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PW1-L850
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

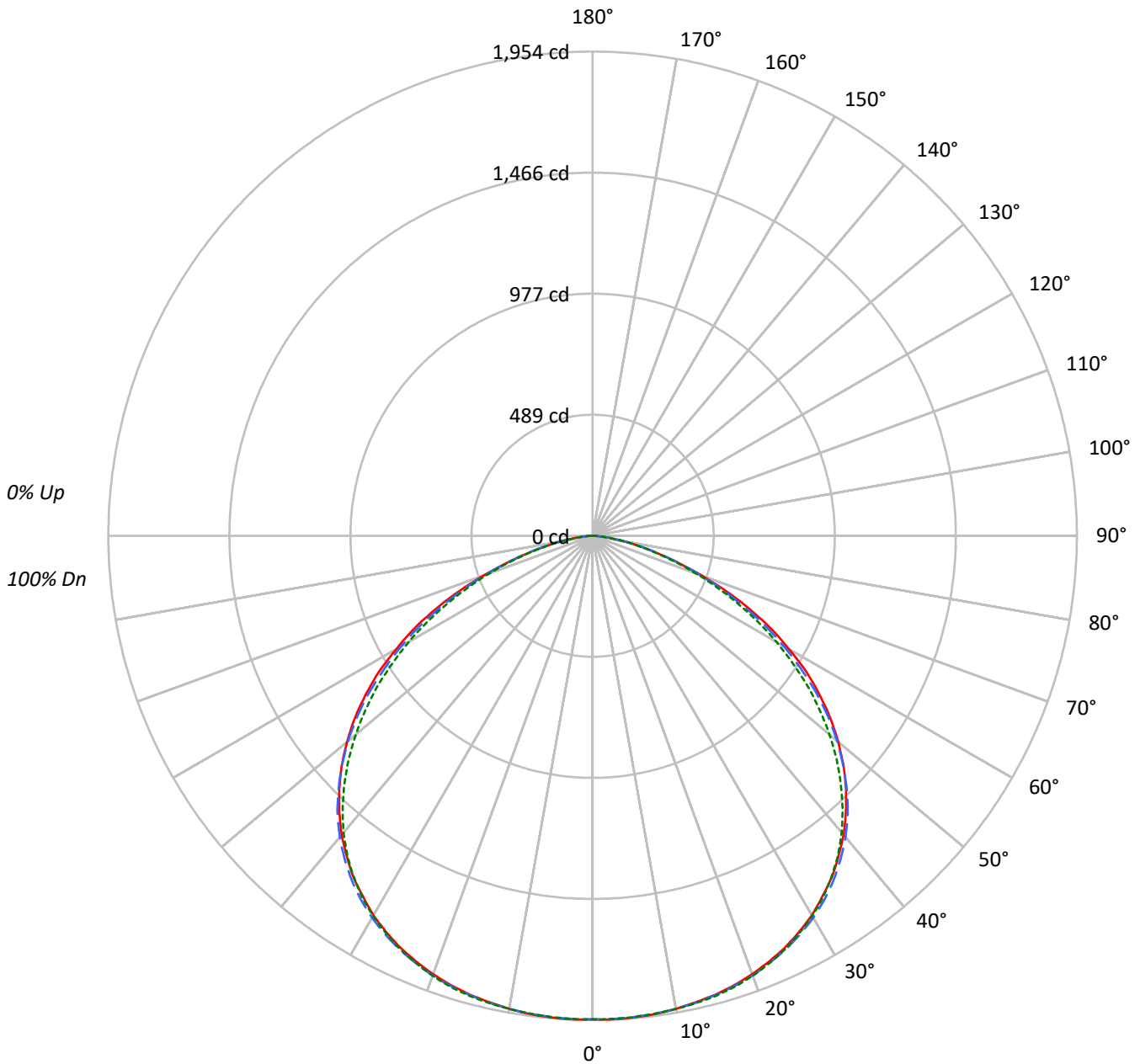
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5723.3 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
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	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2626	2626	2626
5°	2635	2632	2632
10°	2649	2649	2649
15°	2670	2672	2678
20°	2695	2704	2706
25°	2723	2736	2732
30°	2748	2765	2753
35°	2764	2785	2761
40°	2767	2788	2746
45°	2751	2761	2695
50°	2708	2695	2611
55°	2621	2579	2487
60°	2462	2399	2305
65°	2220	2139	2052
70°	1830	1803	1736
75°	1399	1413	1357
80°	971	1000	979
85°	580	605	588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.7	3.2
10°-20°	542.6	9.5
20°-30°	848.5	14.8
30°-40°	1055.5	18.4
40°-50°	1109.2	19.4
50°-60°	973.6	17.0
60°-70°	663.0	11.6
70°-80°	292.5	5.1
80°-90°	52.7	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°	1576.8	27.6
0°-40°	2632.3	46.0
0°-60°	4715.2	82.4
0°-90°	5723.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5723.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1952	1952	1952	1952	1952	
5°	1951	1951	1949	1947	1949	186
15°	1917	1919	1918	1918	1922	542
25°	1834	1839	1843	1842	1840	846
35°	1682	1690	1696	1687	1681	1051
45°	1446	1455	1451	1427	1416	1113
55°	1118	1113	1100	1071	1060	996
65°	697	680	672	657	645	687
75°	269	271	272	267	261	295
85°	38	39	39	39	38	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1951.7	1951.7	1951.7	1951.7	1951.7
2.5°	1953.9	1952.8	1951.7	1950.0	1951.7
5°	1951.1	1950.6	1949.0	1946.8	1949.0
7.5°	1946.8	1946.8	1945.1	1943.5	1944.6
10°	1938.6	1940.2	1938.6	1937.0	1939.1
12.5°	1927.7	1930.4	1929.9	1929.9	1931.5
15°	1916.8	1919.0	1918.4	1918.4	1922.3
17.5°	1901.5	1904.3	1904.8	1905.9	1908.1
20°	1882.5	1886.3	1888.5	1887.9	1889.6
22.5°	1860.1	1864.5	1866.1	1867.2	1866.1
25°	1834.5	1839.4	1842.7	1841.6	1840.0
27.5°	1803.5	1808.9	1813.3	1810.6	1807.3
30°	1768.6	1773.5	1780.0	1775.1	1771.9
32.5°	1725.6	1734.8	1740.8	1734.8	1729.9
35°	1682.5	1690.1	1695.6	1687.4	1680.9
37.5°	1630.2	1639.5	1644.4	1632.9	1625.9
40°	1575.2	1584.4	1587.2	1572.5	1563.2
42.5°	1512.5	1522.9	1524.0	1503.3	1492.9
45°	1445.5	1454.8	1451.0	1427.0	1416.1
47.5°	1373.0	1379.6	1371.4	1346.9	1334.9
50°	1293.5	1297.3	1287.5	1258.6	1247.2
52.5°	1209.6	1209.0	1196.5	1167.6	1155.1
55°	1117.5	1113.1	1099.5	1070.6	1060.3
57.5°	1023.2	1009.6	994.9	970.4	956.8
60°	914.8	904.5	891.4	866.9	856.5
62.5°	812.4	793.9	783.0	761.2	751.9
65°	697.4	680.5	671.8	657.1	644.6
67.5°	581.9	568.8	562.8	552.5	541.0
70°	465.3	461.5	458.2	448.4	441.3
72.5°	362.3	361.2	360.7	355.2	348.2
75°	269.2	270.8	271.9	267.0	261.0
77.5°	191.8	194.5	194.0	191.2	189.6
80°	125.3	127.5	129.1	126.4	126.4
82.5°	75.7	77.9	77.4	78.5	76.3
85°	37.6	39.2	39.2	38.7	38.1
87.5°	13.6	14.2	13.6	14.2	13.6
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)