

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: P506720

Luminaire Tested: **24PD-55-PW1-L840**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506720
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-L840
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

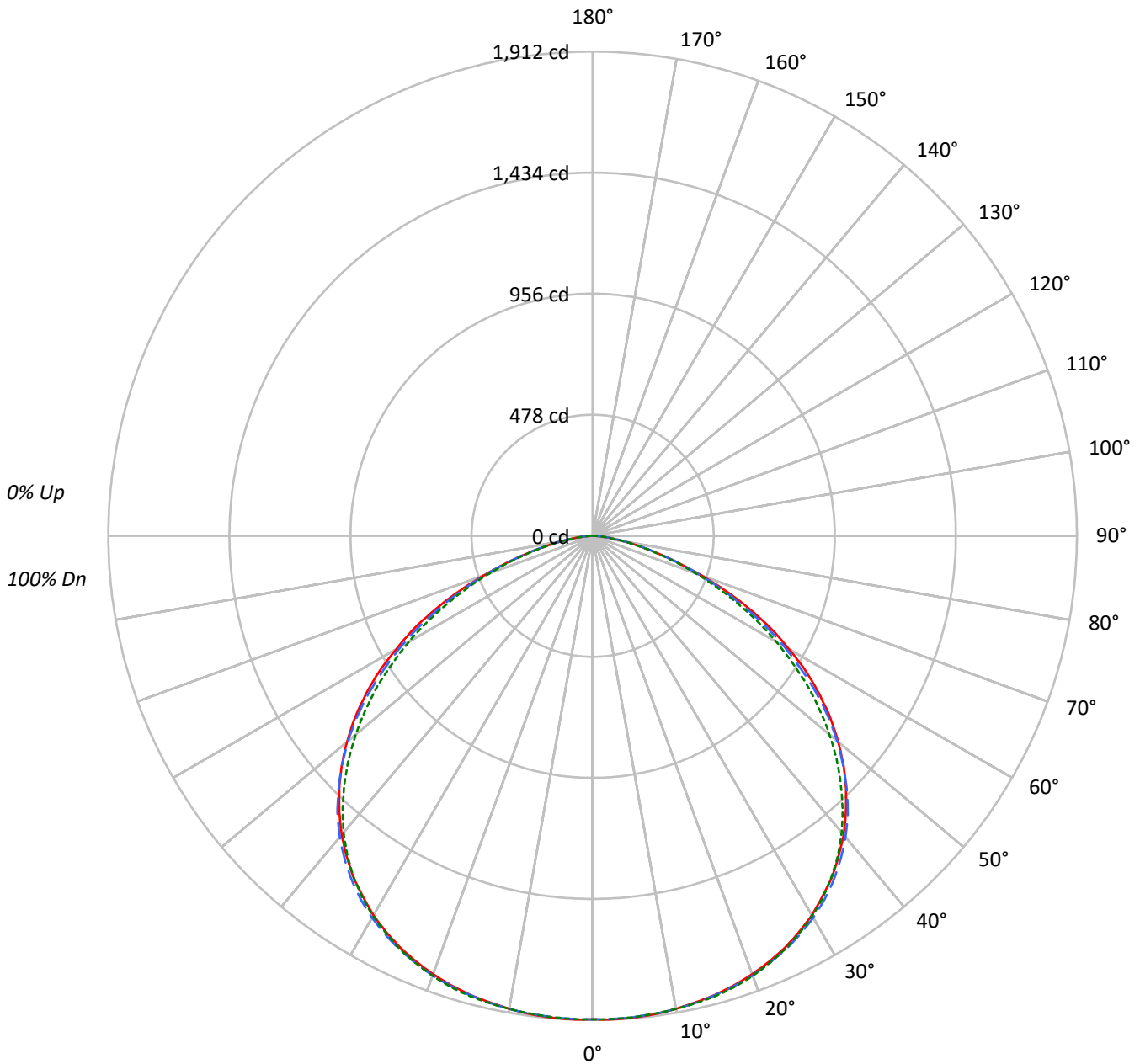
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5600.7 lumens
Efficiency: N/A
Efficacy: 135.9 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

TEST NUMBER: P506720
CATALOG NUMBER: 24PD-55-PW1-L840

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°	2570	2570	2570
5°	2579	2576	2576
10°	2592	2592	2593
15°	2613	2615	2620
20°	2638	2646	2648
25°	2665	2677	2673
30°	2689	2706	2694
35°	2704	2725	2702
40°	2707	2728	2687
45°	2692	2702	2637
50°	2650	2637	2555
55°	2565	2524	2434
60°	2409	2347	2256
65°	2173	2093	2008
70°	1791	1764	1699
75°	1369	1383	1328
80°	950	979	958
85°	568	593	576



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	3.2
10°-20°	531.0	9.5
20°-30°	830.4	14.8
30°-40°	1032.9	18.4
40°-50°	1085.4	19.4
50°-60°	952.8	17.0
60°-70°	648.8	11.6
70°-80°	286.2	5.1
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°	1543.1	27.6
0°-40°	2576.0	46.0
0°-60°	4614.2	82.4
0°-90°	5600.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5600.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1910	1910	1910	1910	1910	
5°	1909	1909	1907	1905	1907	182
15°	1876	1878	1877	1877	1881	530
25°	1795	1800	1803	1802	1801	828
35°	1646	1654	1659	1651	1645	1029
45°	1414	1424	1420	1396	1386	1089
55°	1094	1089	1076	1048	1038	975
65°	682	666	657	643	631	673
75°	263	265	266	261	255	288
85°	37	38	38	38	37	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.9	1909.9	1909.9	1909.9	1909.9
2.5°	1912.0	1910.9	1909.9	1908.3	1909.9
5°	1909.3	1908.8	1907.2	1905.1	1907.2
7.5°	1905.1	1905.1	1903.5	1901.9	1902.9
10°	1897.1	1898.7	1897.1	1895.5	1897.6
12.5°	1886.4	1889.1	1888.5	1888.5	1890.1
15°	1875.7	1877.9	1877.3	1877.3	1881.1
17.5°	1860.8	1863.5	1864.0	1865.1	1867.2
20°	1842.2	1845.9	1848.0	1847.5	1849.1
22.5°	1820.3	1824.6	1826.2	1827.2	1826.2
25°	1795.2	1800.0	1803.2	1802.2	1800.6
27.5°	1764.8	1770.2	1774.4	1771.8	1768.6
30°	1730.7	1735.5	1741.9	1737.1	1733.9
32.5°	1688.6	1697.7	1703.5	1697.7	1692.9
35°	1646.5	1653.9	1659.3	1651.3	1644.9
37.5°	1595.3	1604.4	1609.1	1598.0	1591.0
40°	1541.4	1550.5	1553.2	1538.8	1529.7
42.5°	1480.1	1490.2	1491.3	1471.1	1460.9
45°	1414.5	1423.6	1419.9	1396.4	1385.7
47.5°	1343.6	1350.0	1342.0	1318.0	1306.3
50°	1265.8	1269.5	1259.9	1231.7	1220.5
52.5°	1183.7	1183.1	1170.9	1142.6	1130.4
55°	1093.6	1089.3	1076.0	1047.7	1037.6
57.5°	1001.3	988.0	973.6	949.6	936.3
60°	895.2	885.1	872.3	848.3	838.2
62.5°	795.0	776.8	766.2	744.9	735.8
65°	682.5	665.9	657.4	643.0	630.8
67.5°	569.4	556.6	550.8	540.6	529.5
70°	455.3	451.6	448.4	438.8	431.9
72.5°	354.6	353.5	353.0	347.6	340.7
75°	263.4	265.0	266.1	261.3	255.4
77.5°	187.7	190.3	189.8	187.1	185.5
80°	122.6	124.8	126.4	123.7	123.7
82.5°	74.1	76.2	75.7	76.8	74.6
85°	36.8	38.4	38.4	37.9	37.3
87.5°	13.3	13.9	13.3	13.9	13.3
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)