

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: P506725

Luminaire Tested: **24PD-55-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506725
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-L940
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

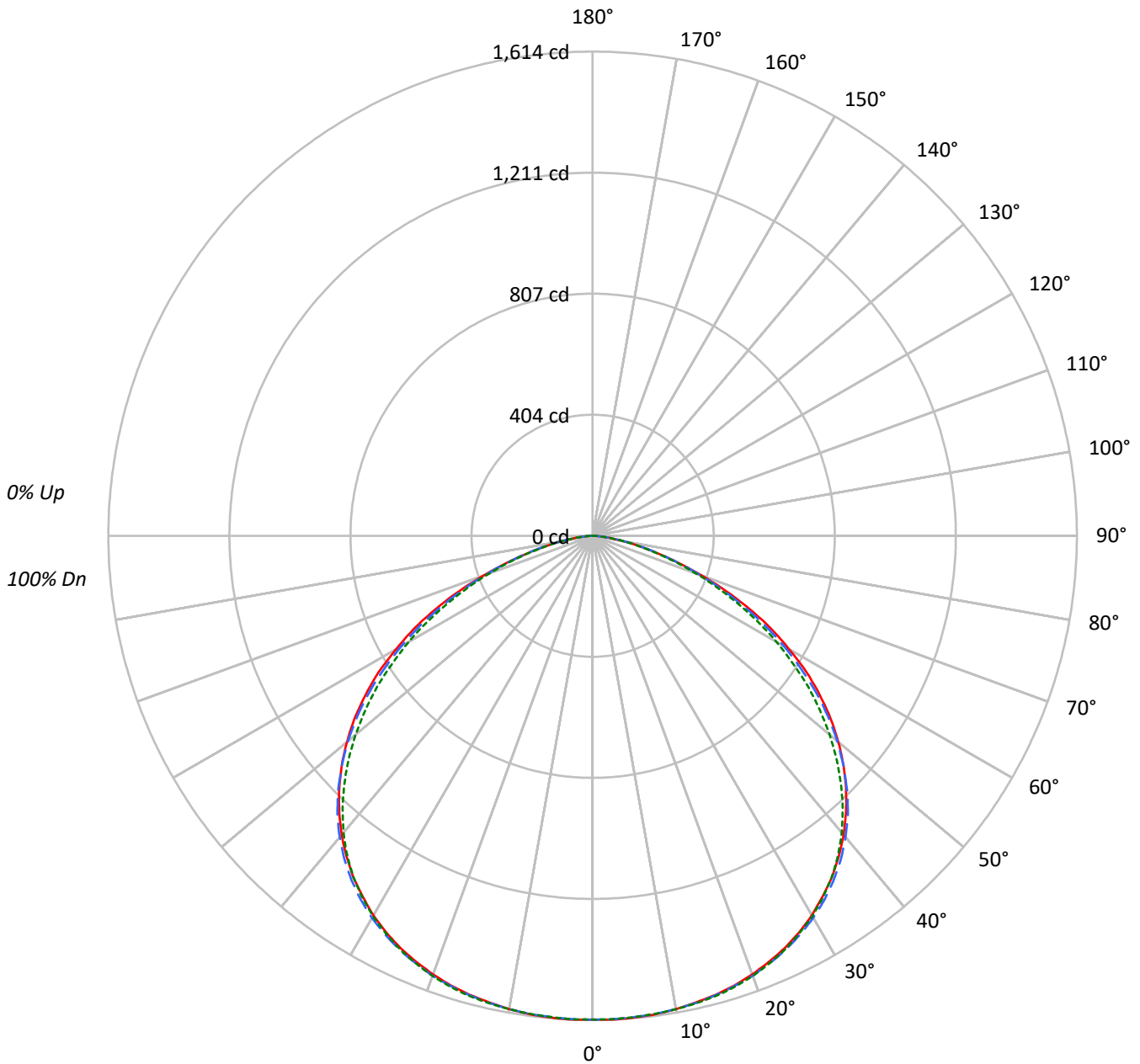
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4729.4 lumens
Efficiency: N/A
Efficacy: 114.8 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				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			
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°	2170	2170	2170
5°	2178	2175	2175
10°	2189	2189	2189
15°	2206	2208	2213
20°	2227	2234	2236
25°	2250	2261	2257
30°	2271	2285	2275
35°	2284	2301	2281
40°	2286	2304	2269
45°	2273	2281	2227
50°	2237	2227	2157
55°	2166	2131	2055
60°	2034	1982	1905
65°	1835	1767	1696
70°	1513	1489	1435
75°	1156	1168	1121
80°	803	827	810
85°	480	500	486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	3.2
10°-20°	448.4	9.5
20°-30°	701.2	14.8
30°-40°	872.2	18.4
40°-50°	916.6	19.4
50°-60°	804.5	17.0
60°-70°	547.9	11.6
70°-80°	241.7	5.1
80°-90°	43.5	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°	1303.0	27.6
0°-40°	2175.2	46.0
0°-60°	3896.3	82.4
0°-90°	4729.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4729.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1613	1613	1613	1613	1613	
5°	1612	1612	1610	1609	1610	154
15°	1584	1586	1585	1585	1588	448
25°	1516	1520	1523	1522	1520	699
35°	1390	1397	1401	1394	1389	869
45°	1194	1202	1199	1179	1170	920
55°	923	920	909	885	876	823
65°	576	562	555	543	533	568
75°	222	224	225	221	216	243
85°	31	32	32	32	32	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1612.7	1612.7	1612.7	1612.7	1612.7
2.5°	1614.5	1613.6	1612.7	1611.4	1612.7
5°	1612.3	1611.8	1610.5	1608.7	1610.5
7.5°	1608.7	1608.7	1607.3	1606.0	1606.9
10°	1601.9	1603.3	1601.9	1600.6	1602.4
12.5°	1592.9	1595.2	1594.7	1594.7	1596.1
15°	1583.9	1585.7	1585.3	1585.3	1588.4
17.5°	1571.3	1573.6	1574.0	1574.9	1576.7
20°	1555.6	1558.7	1560.5	1560.1	1561.4
22.5°	1537.1	1540.7	1542.1	1543.0	1542.1
25°	1515.9	1520.0	1522.7	1521.8	1520.4
27.5°	1490.3	1494.8	1498.4	1496.1	1493.4
30°	1461.5	1465.5	1470.9	1466.9	1464.2
32.5°	1425.9	1433.6	1438.5	1433.6	1429.5
35°	1390.3	1396.6	1401.1	1394.4	1389.0
37.5°	1347.1	1354.8	1358.8	1349.4	1343.5
40°	1301.6	1309.3	1311.5	1299.4	1291.7
42.5°	1249.9	1258.4	1259.3	1242.2	1233.6
45°	1194.5	1202.1	1199.0	1179.2	1170.2
47.5°	1134.6	1140.0	1133.2	1113.0	1103.1
50°	1068.9	1072.0	1063.9	1040.0	1030.6
52.5°	999.5	999.1	988.7	964.9	954.5
55°	923.4	919.8	908.6	884.7	876.2
57.5°	845.5	834.3	822.1	801.9	790.6
60°	755.9	747.4	736.6	716.3	707.8
62.5°	671.3	656.0	647.0	629.0	621.3
65°	576.3	562.3	555.1	543.0	532.6
67.5°	480.9	470.0	465.1	456.5	447.1
70°	384.5	381.3	378.6	370.5	364.7
72.5°	299.4	298.5	298.1	293.6	287.7
75°	222.4	223.8	224.7	220.6	215.7
77.5°	158.5	160.7	160.3	158.0	156.7
80°	103.6	105.4	106.7	104.5	104.5
82.5°	62.6	64.4	63.9	64.8	63.0
85°	31.1	32.4	32.4	32.0	31.5
87.5°	11.3	11.7	11.3	11.7	11.3
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)