

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: P506717

Luminaire Tested: **24PD-55-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PR1-L950
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

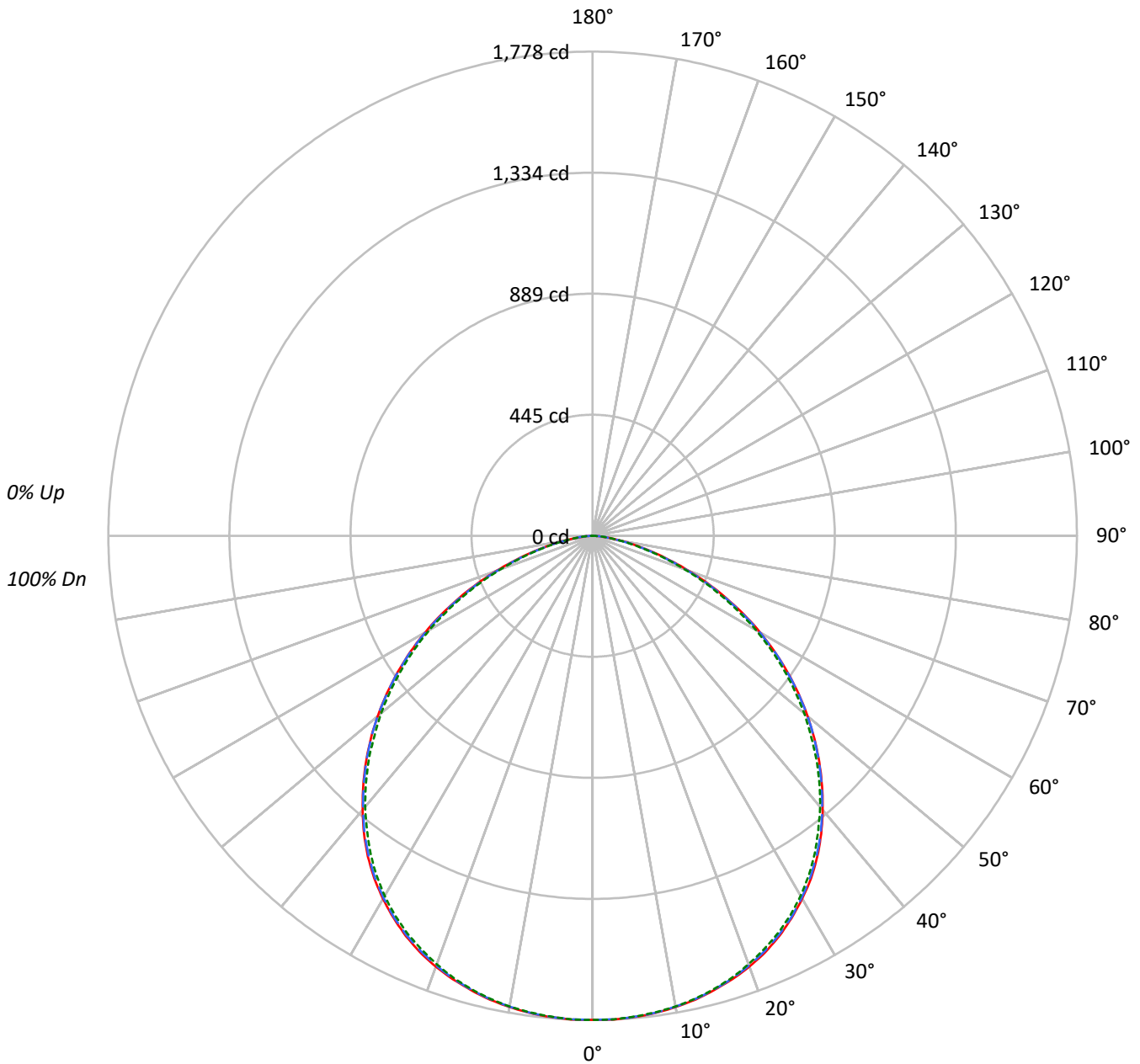
Lumens per Lamp: N/A
Luminaire Lumens: 4786.0 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	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	78	84	79	76	81	77	74	72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2392	2392	2392
5°	2396	2395	2394
10°	2401	2399	2398
15°	2406	2403	2400
20°	2411	2405	2397
25°	2408	2401	2391
30°	2392	2385	2373
35°	2363	2355	2336
40°	2308	2302	2282
45°	2240	2237	2211
50°	2157	2156	2123
55°	2051	2046	2008
60°	1911	1904	1861
65°	1722	1701	1662
70°	1470	1448	1412
75°	1162	1136	1110
80°	825	804	779
85°	496	482	468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	3.5
10°-20°	487.2	10.2
20°-30°	744.7	15.6
30°-40°	894.3	18.7
40°-50°	903.8	18.9
50°-60°	776.6	16.2
60°-70°	529.7	11.1
70°-80°	238.2	5.0
80°-90°	42.8	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°	1400.6	29.3
0°-40°	2294.9	48.0
0°-60°	3975.3	83.1
0°-90°	4786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1774	1774	1773	1772	1772	169
15°	1727	1727	1725	1724	1723	488
25°	1622	1622	1618	1612	1611	747
35°	1438	1438	1434	1425	1422	898
45°	1177	1180	1175	1167	1162	907
55°	874	877	872	864	856	780
65°	541	544	534	531	522	535
75°	224	225	218	217	214	242
85°	32	33	31	31	30	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1777.7	1777.7	1777.7	1777.7	1777.7
2.5°	1778.2	1777.7	1777.3	1776.4	1777.7
5°	1774.1	1773.6	1773.1	1772.2	1772.2
7.5°	1767.6	1766.7	1766.7	1765.3	1764.9
10°	1757.5	1757.1	1755.7	1755.7	1755.2
12.5°	1744.7	1743.8	1742.4	1741.9	1741.0
15°	1727.2	1726.8	1724.9	1723.6	1723.1
17.5°	1707.5	1706.1	1704.7	1701.5	1701.5
20°	1683.6	1682.7	1679.5	1676.3	1674.4
22.5°	1656.1	1654.2	1650.6	1647.3	1643.7
25°	1622.1	1621.6	1617.5	1612.0	1610.6
27.5°	1582.6	1583.5	1579.4	1573.9	1571.1
30°	1539.4	1541.3	1535.3	1528.4	1527.1
32.5°	1492.2	1492.6	1487.6	1480.2	1477.5
35°	1438.4	1438.4	1433.9	1425.1	1422.4
37.5°	1378.8	1378.3	1375.5	1365.4	1360.4
40°	1314.0	1316.3	1310.8	1301.6	1299.3
42.5°	1247.0	1249.7	1244.7	1236.9	1231.8
45°	1177.2	1180.4	1175.4	1167.1	1162.0
47.5°	1105.1	1107.4	1103.7	1093.2	1086.3
50°	1030.3	1034.9	1029.8	1018.8	1014.2
52.5°	953.1	958.2	952.2	944.0	935.2
55°	874.2	877.4	872.3	864.5	855.8
57.5°	792.9	799.3	791.1	781.9	774.5
60°	710.3	715.8	707.5	699.2	691.4
62.5°	626.2	629.9	620.7	615.7	606.5
65°	540.9	543.6	534.4	530.7	522.0
67.5°	456.4	458.7	449.9	444.9	439.8
70°	373.7	375.6	368.2	363.6	359.0
72.5°	295.7	296.1	289.2	287.9	282.4
75°	223.6	225.4	218.5	217.2	213.5
77.5°	160.7	161.2	156.6	155.6	152.4
80°	106.5	107.0	103.8	103.3	100.5
82.5°	64.3	64.7	62.0	62.0	60.1
85°	32.1	32.6	31.2	31.2	30.3
87.5°	11.0	11.5	11.0	11.0	10.6
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)