

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: P506744

Luminaire Tested: **24PD-60-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506744
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-60-PR1-L950
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

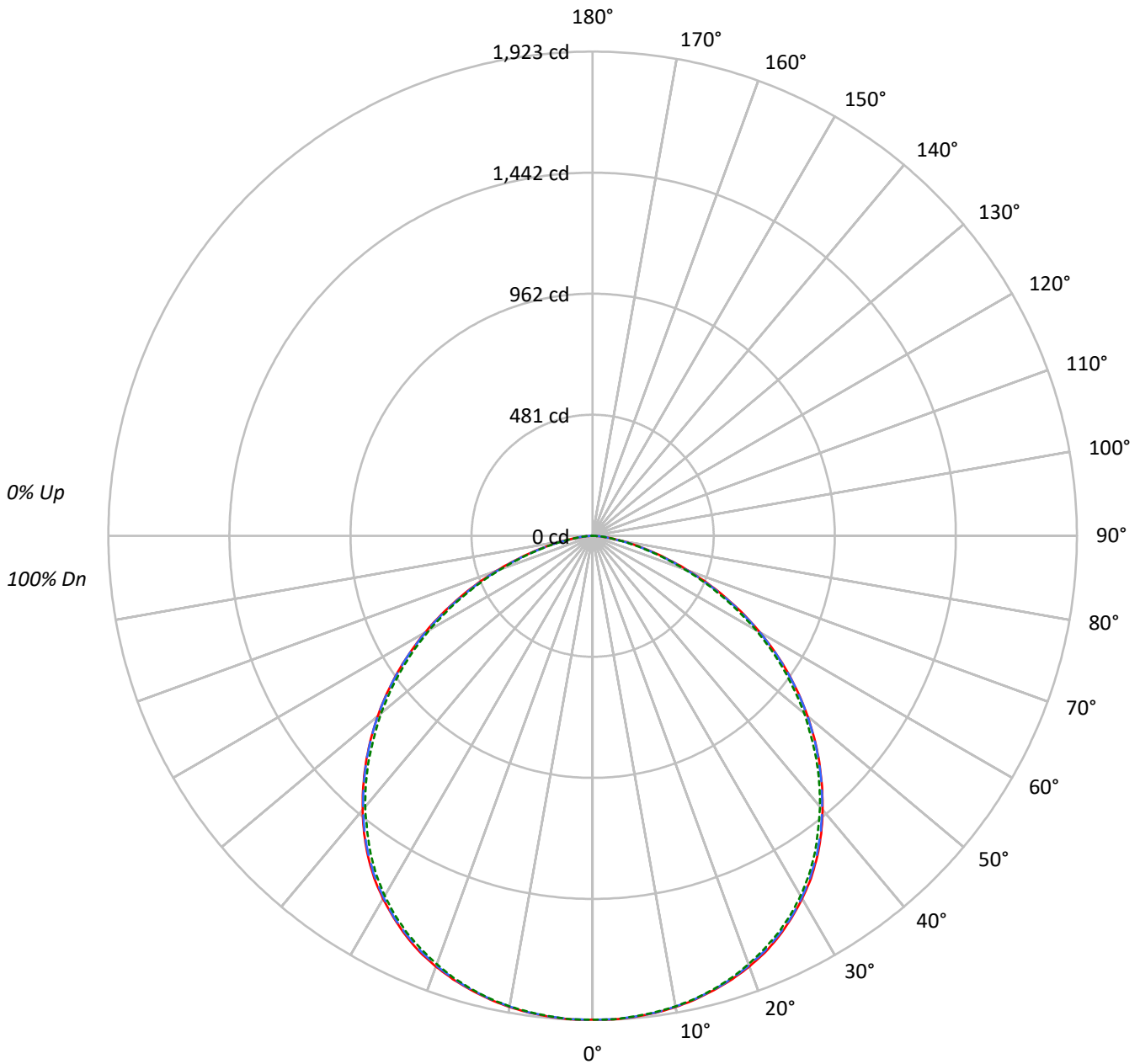
Lumens per Lamp: N/A
Luminaire Lumens: 5175.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
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	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°	2586	2586	2586
5°	2591	2590	2588
10°	2596	2594	2593
15°	2601	2598	2595
20°	2607	2600	2592
25°	2604	2597	2585
30°	2586	2579	2565
35°	2555	2547	2526
40°	2496	2489	2468
45°	2422	2418	2391
50°	2332	2331	2295
55°	2217	2213	2171
60°	2067	2059	2012
65°	1862	1840	1797
70°	1590	1566	1527
75°	1257	1228	1200
80°	893	869	842
85°	537	522	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	3.5
10°-20°	526.7	10.2
20°-30°	805.3	15.6
30°-40°	967.0	18.7
40°-50°	977.2	18.9
50°-60°	839.7	16.2
60°-70°	572.8	11.1
70°-80°	257.5	5.0
80°-90°	46.3	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°	1514.4	29.3
0°-40°	2481.5	48.0
0°-60°	4298.4	83.1
0°-90°	5175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1922	1922	1922	1922	1922	
5°	1918	1918	1917	1916	1916	183
15°	1868	1867	1865	1864	1863	528
25°	1754	1753	1749	1743	1742	808
35°	1555	1555	1550	1541	1538	971
45°	1273	1276	1271	1262	1256	981
55°	945	949	943	935	925	844
65°	585	588	578	574	564	579
75°	242	244	236	235	231	262
85°	35	35	34	34	33	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1922.2	1922.2	1922.2	1922.2	1922.2
2.5°	1922.7	1922.2	1921.7	1920.7	1922.2
5°	1918.3	1917.8	1917.3	1916.3	1916.3
7.5°	1911.3	1910.3	1910.3	1908.8	1908.3
10°	1900.4	1899.9	1898.4	1898.4	1897.9
12.5°	1886.5	1885.5	1884.0	1883.5	1882.5
15°	1867.6	1867.1	1865.1	1863.6	1863.2
17.5°	1846.3	1844.8	1843.3	1839.8	1839.8
20°	1820.5	1819.5	1816.0	1812.5	1810.5
22.5°	1790.7	1788.7	1784.7	1781.2	1777.3
25°	1753.9	1753.4	1749.0	1743.0	1741.5
27.5°	1711.2	1712.2	1707.8	1701.8	1698.8
30°	1664.6	1666.6	1660.1	1652.7	1651.2
32.5°	1613.4	1613.9	1608.5	1600.5	1597.6
35°	1555.4	1555.4	1550.4	1541.0	1538.0
37.5°	1490.8	1490.3	1487.3	1476.4	1471.0
40°	1420.8	1423.3	1417.3	1407.4	1404.9
42.5°	1348.3	1351.3	1345.9	1337.4	1332.0
45°	1272.9	1276.4	1270.9	1262.0	1256.5
47.5°	1194.9	1197.4	1193.4	1182.0	1174.6
50°	1114.0	1119.0	1113.5	1101.6	1096.6
52.5°	1030.6	1036.1	1029.6	1020.7	1011.3
55°	945.2	948.7	943.2	934.8	925.4
57.5°	857.4	864.3	855.4	845.4	837.5
60°	768.0	774.0	765.0	756.1	747.6
62.5°	677.1	681.1	671.2	665.7	655.8
65°	584.8	587.8	577.9	573.9	564.5
67.5°	493.5	495.9	486.5	481.1	475.6
70°	404.1	406.1	398.1	393.2	388.2
72.5°	319.7	320.2	312.8	311.3	305.3
75°	241.8	243.8	236.3	234.8	230.8
77.5°	173.8	174.3	169.3	168.3	164.8
80°	115.2	115.7	112.2	111.7	108.7
82.5°	69.5	70.0	67.0	67.0	65.0
85°	34.8	35.2	33.8	33.8	32.8
87.5°	11.9	12.4	11.9	11.9	11.4
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)