

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: P506735

Luminaire Tested: **24PD-60-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-60-PL1-L950
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

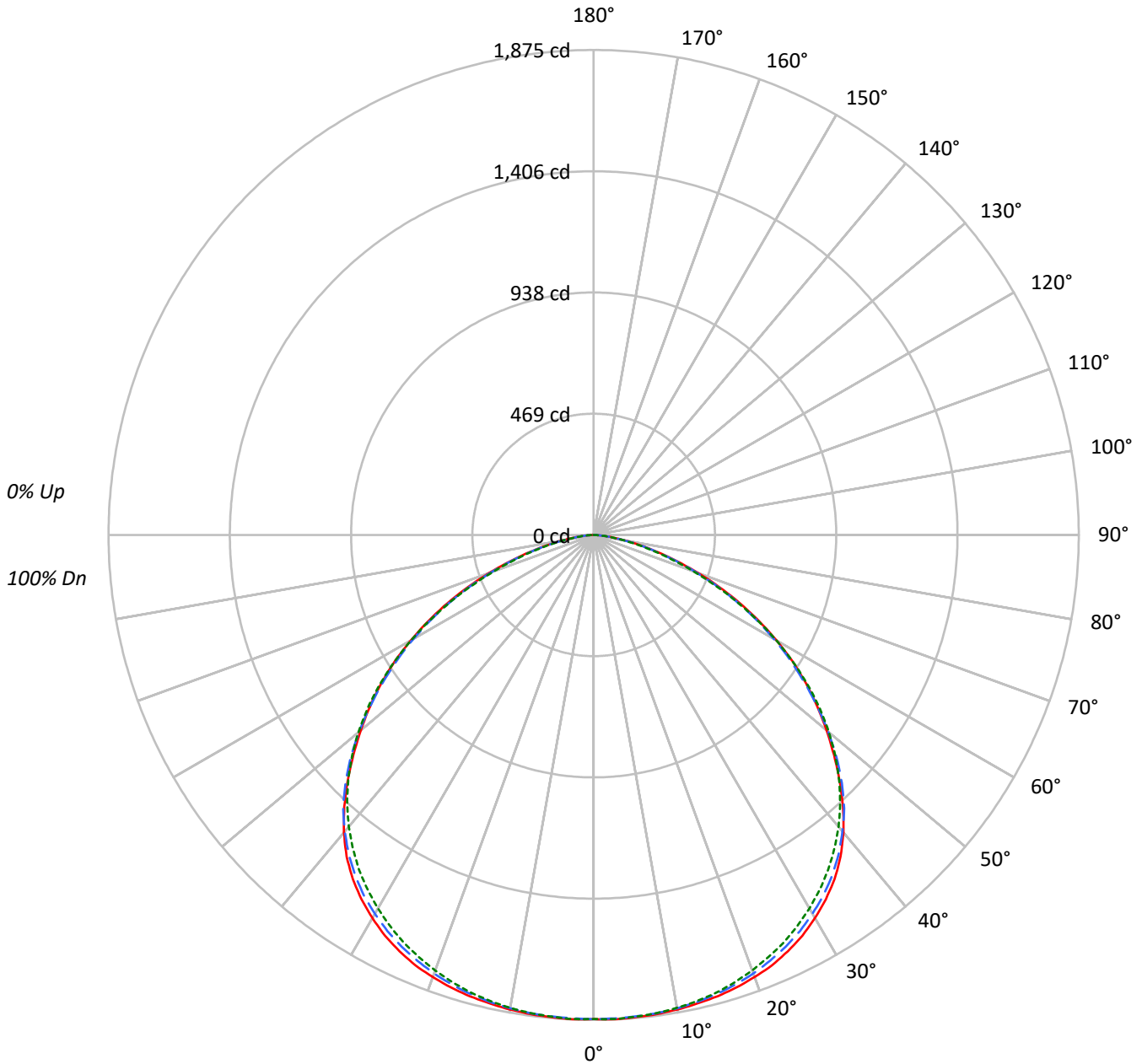
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5370.3 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2519	2519	2519
5°	2528	2524	2525
10°	2546	2539	2537
15°	2573	2560	2552
20°	2605	2584	2565
25°	2637	2607	2581
30°	2658	2627	2591
35°	2666	2640	2596
40°	2638	2628	2586
45°	2557	2581	2553
50°	2458	2476	2485
55°	2352	2334	2369
60°	2200	2164	2192
65°	1980	1940	1939
70°	1686	1648	1609
75°	1327	1298	1245
80°	949	921	870
85°	562	554	514



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	3.3
10°-20°	519.6	9.7
20°-30°	810.0	15.1
30°-40°	1002.3	18.7
40°-50°	1039.0	19.3
50°-60°	894.6	16.7
60°-70°	607.0	11.3
70°-80°	270.8	5.0
80°-90°	48.7	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°	1507.7	28.1
0°-40°	2510.0	46.7
0°-60°	4443.7	82.7
0°-90°	5370.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5370.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1872	1870	1869	1869	1870	178
15°	1847	1842	1838	1834	1832	522
25°	1776	1770	1756	1743	1738	819
35°	1623	1619	1607	1590	1580	1013
45°	1344	1350	1356	1351	1342	1036
55°	1003	1003	995	1006	1010	894
65°	622	624	610	603	609	615
75°	255	257	250	244	239	277
85°	36	37	36	36	33	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1872.0	1872.0	1872.0	1872.0	1872.0
2.5°	1874.6	1870.5	1871.0	1871.5	1873.6
5°	1872.0	1869.5	1868.9	1868.9	1869.5
7.5°	1868.9	1865.9	1865.4	1864.8	1864.8
10°	1863.3	1860.2	1858.2	1857.2	1856.6
12.5°	1855.6	1852.0	1849.5	1847.4	1845.9
15°	1846.9	1841.8	1837.7	1833.6	1832.0
17.5°	1834.6	1830.0	1822.8	1816.1	1813.6
20°	1819.2	1814.6	1804.4	1795.1	1791.5
22.5°	1801.3	1794.6	1781.8	1771.6	1766.4
25°	1776.2	1769.5	1756.2	1743.4	1738.2
27.5°	1746.9	1740.8	1726.4	1711.1	1704.9
30°	1710.6	1706.5	1691.1	1674.2	1667.5
32.5°	1670.1	1666.0	1652.6	1633.7	1626.0
35°	1623.4	1618.8	1607.0	1589.6	1580.4
37.5°	1568.0	1566.5	1555.2	1537.3	1528.6
40°	1501.9	1505.0	1496.3	1480.9	1472.2
42.5°	1426.6	1433.2	1433.2	1418.9	1410.2
45°	1344.0	1350.2	1356.3	1351.2	1341.5
47.5°	1259.5	1266.1	1273.3	1275.4	1267.2
50°	1174.4	1178.5	1183.1	1192.3	1187.2
52.5°	1089.8	1091.3	1089.8	1102.1	1101.1
55°	1002.6	1003.2	995.0	1006.2	1009.8
57.5°	911.9	913.5	900.1	906.3	914.0
60°	817.6	819.1	804.3	805.3	814.5
62.5°	720.2	722.3	707.4	703.8	712.0
65°	621.8	624.3	609.5	602.8	609.0
67.5°	523.9	527.0	513.1	504.9	506.5
70°	428.5	431.1	418.8	411.1	409.1
72.5°	337.8	340.4	330.6	322.9	319.4
75°	255.3	257.3	249.6	244.0	239.4
77.5°	183.5	185.0	178.9	174.8	170.2
80°	122.5	123.0	118.9	116.4	112.3
82.5°	73.3	73.8	71.3	70.2	67.2
85°	36.4	36.9	35.9	35.9	33.3
87.5°	12.8	12.3	12.8	12.8	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)