

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: P506741

Luminaire Tested: **24PD-60-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506741
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-L930
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

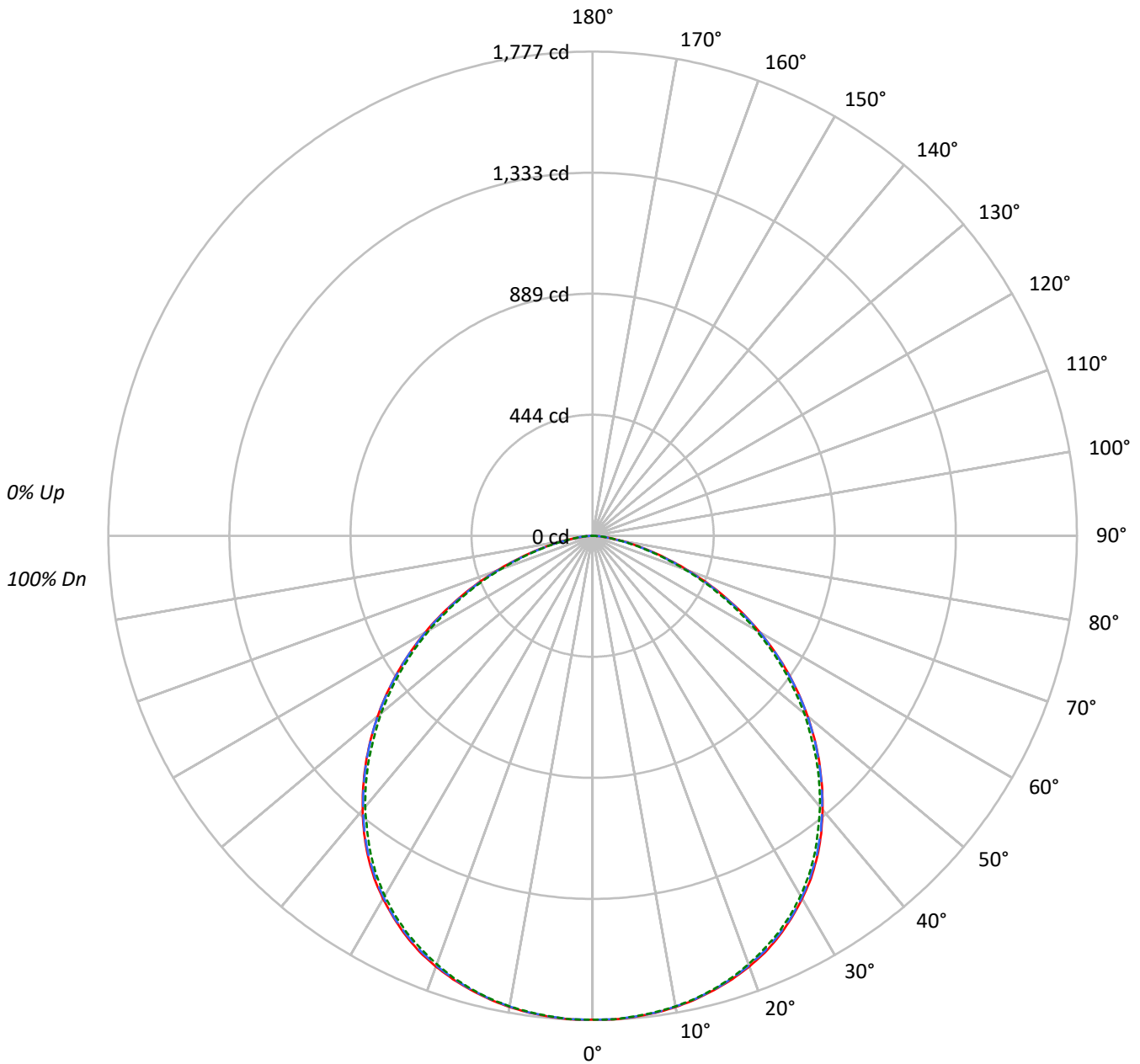
Lumens per Lamp: N/A
Luminaire Lumens: 4782.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2390	2390	2390
5°	2394	2393	2392
10°	2399	2397	2396
15°	2404	2401	2398
20°	2409	2403	2395
25°	2406	2399	2389
30°	2390	2383	2371
35°	2361	2353	2334
40°	2306	2300	2280
45°	2238	2235	2209
50°	2155	2154	2121
55°	2049	2045	2006
60°	1910	1902	1859
65°	1720	1700	1661
70°	1469	1447	1411
75°	1161	1135	1109
80°	824	804	779
85°	496	482	468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	3.5
10°-20°	486.7	10.2
20°-30°	744.1	15.6
30°-40°	893.6	18.7
40°-50°	903.0	18.9
50°-60°	775.9	16.2
60°-70°	529.3	11.1
70°-80°	238.0	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°	1399.4	29.3
0°-40°	2293.0	48.0
0°-60°	3971.9	83.1
0°-90°	4782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1776	1776	1776	1776	1776	
5°	1773	1772	1772	1771	1771	169
15°	1726	1725	1724	1722	1722	488
25°	1621	1620	1616	1611	1609	746
35°	1437	1437	1433	1424	1421	897
45°	1176	1179	1174	1166	1161	906
55°	873	877	872	864	855	779
65°	540	543	534	530	522	535
75°	223	225	218	217	213	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°	1776.2	1776.2	1776.2	1776.2	1776.2
2.5°	1776.7	1776.2	1775.8	1774.9	1776.2
5°	1772.6	1772.1	1771.7	1770.7	1770.7
7.5°	1766.2	1765.2	1765.2	1763.9	1763.4
10°	1756.1	1755.6	1754.2	1754.2	1753.8
12.5°	1743.2	1742.3	1740.9	1740.5	1739.6
15°	1725.8	1725.3	1723.5	1722.1	1721.7
17.5°	1706.1	1704.7	1703.3	1700.1	1700.1
20°	1682.2	1681.3	1678.1	1674.9	1673.0
22.5°	1654.7	1652.8	1649.2	1646.0	1642.3
25°	1620.7	1620.3	1616.1	1610.6	1609.3
27.5°	1581.3	1582.2	1578.1	1572.6	1569.8
30°	1538.2	1540.0	1534.0	1527.2	1525.8
32.5°	1490.9	1491.4	1486.3	1479.0	1476.2
35°	1437.2	1437.2	1432.7	1423.9	1421.2
37.5°	1377.6	1377.1	1374.4	1364.3	1359.3
40°	1312.9	1315.2	1309.7	1300.5	1298.2
42.5°	1245.9	1248.7	1243.7	1235.9	1230.8
45°	1176.2	1179.4	1174.4	1166.1	1161.1
47.5°	1104.2	1106.5	1102.8	1092.3	1085.4
50°	1029.4	1034.0	1029.0	1017.9	1013.4
52.5°	952.3	957.4	951.4	943.2	934.5
55°	873.4	876.7	871.6	863.8	855.1
57.5°	792.2	798.7	790.4	781.2	773.9
60°	709.7	715.2	706.9	698.7	690.9
62.5°	625.7	629.4	620.2	615.2	606.0
65°	540.4	543.2	534.0	530.3	521.6
67.5°	456.0	458.3	449.6	444.5	439.5
70°	373.4	375.3	367.9	363.3	358.7
72.5°	295.4	295.9	289.0	287.6	282.1
75°	223.4	225.2	218.4	217.0	213.3
77.5°	160.6	161.0	156.4	155.5	152.3
80°	106.4	106.9	103.7	103.2	100.5
82.5°	64.2	64.7	61.9	61.9	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)