

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: P506752

Luminaire Tested: **24PD-60-PW1-L940**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506752
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-60-PW1-L940
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

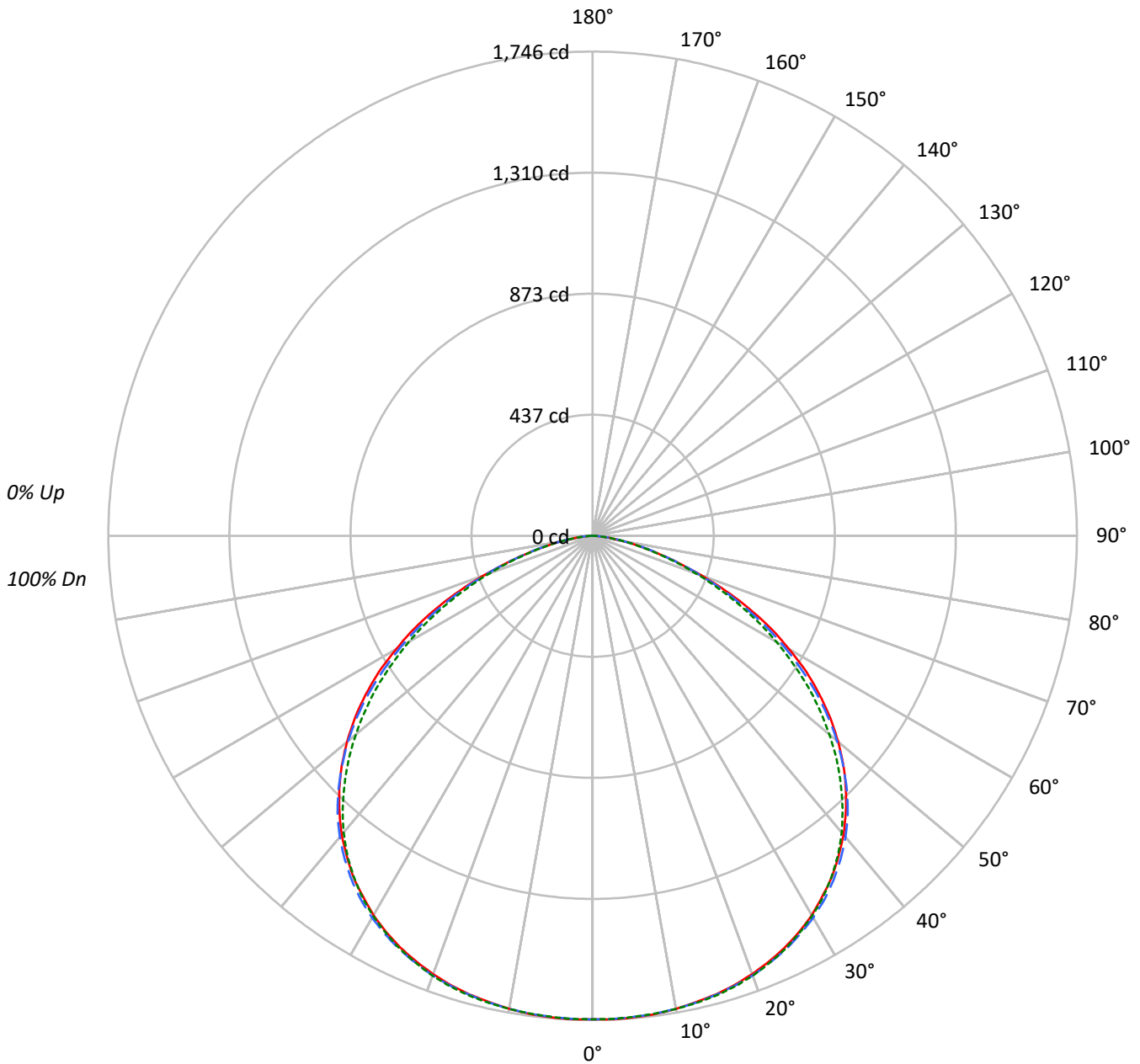
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5113.3 lumens
Efficiency: N/A
Efficacy: 113.9 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): 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	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°	2346	2346	2346
5°	2354	2352	2352
10°	2366	2366	2367
15°	2385	2388	2392
20°	2408	2416	2417
25°	2433	2444	2441
30°	2455	2471	2459
35°	2469	2488	2467
40°	2472	2491	2453
45°	2457	2467	2407
50°	2419	2408	2332
55°	2342	2304	2222
60°	2199	2143	2059
65°	1984	1911	1833
70°	1635	1611	1551
75°	1250	1263	1212
80°	868	894	875
85°	519	540	526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	3.2
10°-20°	484.7	9.5
20°-30°	758.1	14.8
30°-40°	943.0	18.4
40°-50°	991.0	19.4
50°-60°	869.9	17.0
60°-70°	592.3	11.6
70°-80°	261.3	5.1
80°-90°	47.1	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°	1408.8	27.6
0°-40°	2351.8	46.0
0°-60°	4212.6	82.4
0°-90°	5113.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5113.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1744	1744	1744	1744	1744	
5°	1743	1743	1741	1739	1741	166
15°	1712	1714	1714	1714	1717	484
25°	1639	1643	1646	1645	1644	756
35°	1503	1510	1515	1508	1502	939
45°	1291	1300	1296	1275	1265	995
55°	998	994	982	956	947	890
65°	623	608	600	587	576	614
75°	240	242	243	238	233	263
85°	34	35	35	35	34	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1745.6	1744.6	1743.7	1742.2	1743.7
5°	1743.2	1742.7	1741.2	1739.3	1741.2
7.5°	1739.3	1739.3	1737.8	1736.4	1737.3
10°	1732.0	1733.4	1732.0	1730.5	1732.5
12.5°	1722.2	1724.7	1724.2	1724.2	1725.6
15°	1712.5	1714.4	1714.0	1714.0	1717.4
17.5°	1698.9	1701.3	1701.8	1702.8	1704.7
20°	1681.8	1685.2	1687.2	1686.7	1688.2
22.5°	1661.9	1665.8	1667.2	1668.2	1667.2
25°	1639.0	1643.4	1646.3	1645.3	1643.9
27.5°	1611.3	1616.1	1620.0	1617.6	1614.7
30°	1580.1	1584.5	1590.3	1585.9	1583.0
32.5°	1541.6	1549.9	1555.3	1549.9	1545.5
35°	1503.2	1510.0	1514.9	1507.6	1501.7
37.5°	1456.5	1464.7	1469.1	1458.9	1452.6
40°	1407.3	1415.6	1418.0	1404.9	1396.6
42.5°	1351.3	1360.6	1361.5	1343.0	1333.8
45°	1291.4	1299.7	1296.3	1274.9	1265.1
47.5°	1226.7	1232.5	1225.2	1203.3	1192.6
50°	1155.6	1159.0	1150.3	1124.5	1114.2
52.5°	1080.7	1080.2	1069.0	1043.2	1032.0
55°	998.4	994.5	982.3	956.5	947.3
57.5°	914.2	902.0	888.9	867.0	854.8
60°	817.3	808.1	796.4	774.5	765.2
62.5°	725.8	709.2	699.5	680.0	671.8
65°	623.1	608.0	600.2	587.1	575.9
67.5°	519.9	508.2	502.8	493.6	483.4
70°	415.7	412.3	409.4	400.6	394.3
72.5°	323.7	322.7	322.3	317.4	311.1
75°	240.5	241.9	242.9	238.5	233.2
77.5°	171.3	173.8	173.3	170.9	169.4
80°	112.0	113.9	115.4	112.9	112.9
82.5°	67.7	69.6	69.1	70.1	68.1
85°	33.6	35.0	35.0	34.6	34.1
87.5°	12.2	12.7	12.2	12.7	12.2
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)