

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: P506733

Luminaire Tested: **24PD-60-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506733
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-L935
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

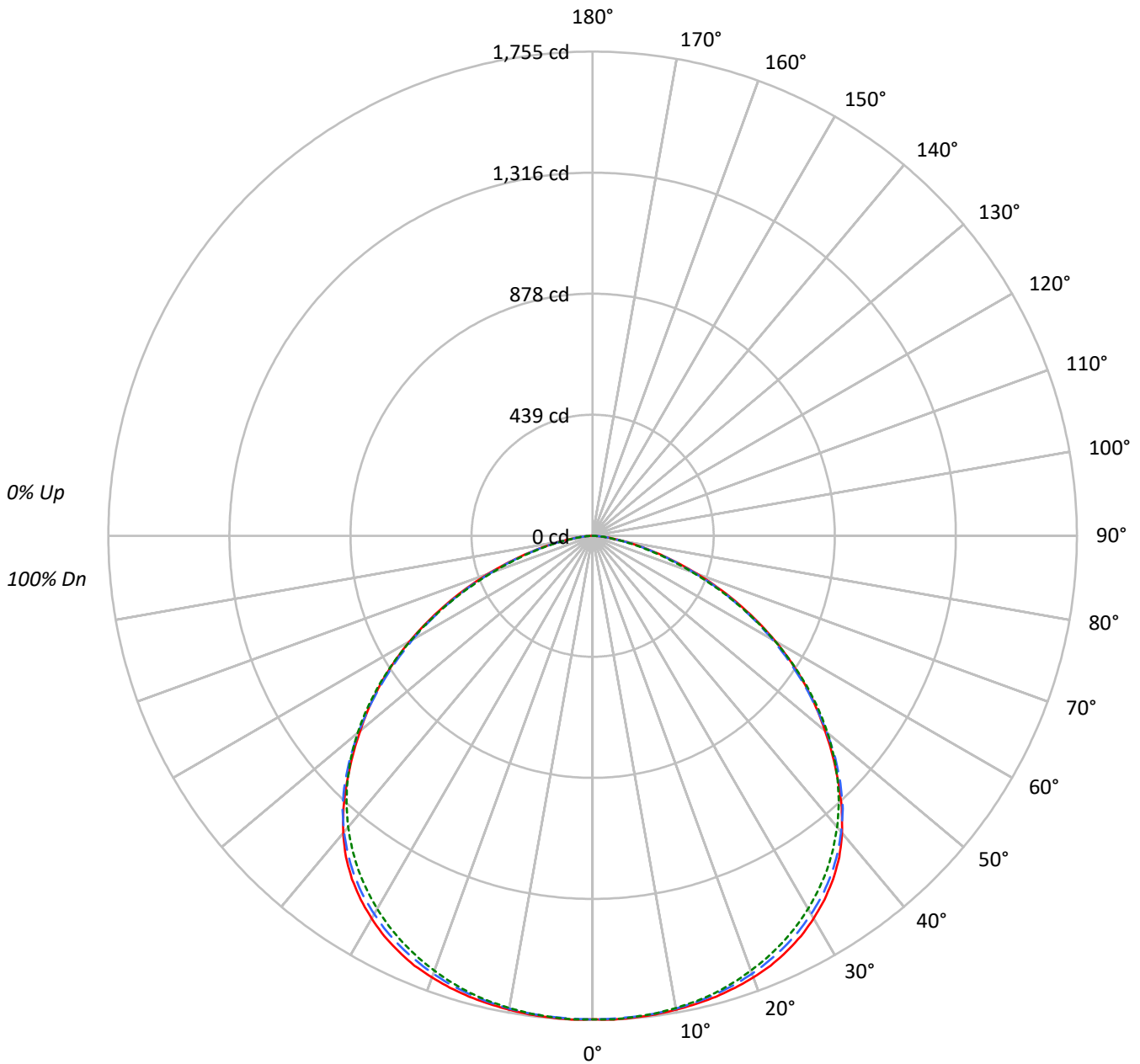
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5028.5 lumens
Efficiency: N/A
Efficacy: 112.0 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°	2359	2359	2359
5°	2368	2364	2364
10°	2384	2377	2375
15°	2409	2397	2389
20°	2439	2419	2402
25°	2469	2441	2416
30°	2488	2460	2426
35°	2497	2472	2431
40°	2470	2461	2421
45°	2395	2417	2390
50°	2302	2319	2327
55°	2202	2185	2218
60°	2060	2027	2052
65°	1854	1817	1815
70°	1579	1543	1507
75°	1242	1215	1165
80°	889	863	814
85°	526	519	482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	3.3
10°-20°	486.5	9.7
20°-30°	758.4	15.1
30°-40°	938.5	18.7
40°-50°	972.9	19.3
50°-60°	837.7	16.7
60°-70°	568.4	11.3
70°-80°	253.6	5.0
80°-90°	45.6	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°	1411.8	28.1
0°-40°	2350.3	46.7
0°-60°	4160.9	82.7
0°-90°	5028.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5028.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1753	1753	1753	1753	1753	
5°	1753	1750	1750	1750	1750	167
15°	1729	1725	1721	1717	1715	489
25°	1663	1657	1644	1632	1628	767
35°	1520	1516	1505	1488	1480	949
45°	1258	1264	1270	1265	1256	970
55°	939	939	932	942	946	837
65°	582	585	571	564	570	576
75°	239	241	234	228	224	259
85°	34	35	34	34	31	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1752.9	1752.9	1752.9	1752.9	1752.9
2.5°	1755.3	1751.4	1751.9	1752.4	1754.3
5°	1752.9	1750.5	1750.0	1750.0	1750.5
7.5°	1750.0	1747.1	1746.6	1746.2	1746.2
10°	1744.7	1741.8	1739.9	1739.0	1738.5
12.5°	1737.5	1734.2	1731.8	1729.8	1728.4
15°	1729.4	1724.6	1720.7	1716.9	1715.4
17.5°	1717.8	1713.5	1706.8	1700.6	1698.2
20°	1703.4	1699.1	1689.5	1680.9	1677.5
22.5°	1686.6	1680.4	1668.4	1658.8	1654.0
25°	1663.1	1656.9	1644.4	1632.4	1627.6
27.5°	1635.8	1630.0	1616.6	1602.2	1596.4
30°	1601.7	1597.8	1583.4	1567.6	1561.4
32.5°	1563.8	1559.9	1547.5	1529.7	1522.5
35°	1520.1	1515.8	1504.7	1488.4	1479.8
37.5°	1468.3	1466.8	1456.3	1439.5	1431.3
40°	1406.3	1409.2	1401.1	1386.7	1378.5
42.5°	1335.8	1342.0	1342.0	1328.6	1320.4
45°	1258.5	1264.3	1270.0	1265.2	1256.1
47.5°	1179.3	1185.5	1192.3	1194.2	1186.5
50°	1099.6	1103.5	1107.8	1116.4	1111.6
52.5°	1020.4	1021.9	1020.4	1032.0	1031.0
55°	938.8	939.3	931.6	942.2	945.6
57.5°	853.9	855.3	842.8	848.6	855.8
60°	765.6	767.0	753.1	754.0	762.7
62.5°	674.4	676.3	662.4	659.0	666.7
65°	582.2	584.6	570.7	564.5	570.2
67.5°	490.5	493.4	480.5	472.8	474.2
70°	401.3	403.7	392.1	384.9	383.0
72.5°	316.3	318.7	309.6	302.4	299.0
75°	239.0	240.9	233.7	228.5	224.1
77.5°	171.8	173.3	167.5	163.7	159.4
80°	114.7	115.2	111.4	109.0	105.1
82.5°	68.6	69.1	66.7	65.8	62.9
85°	34.1	34.6	33.6	33.6	31.2
87.5°	12.0	11.5	12.0	12.0	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)