

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: P506674

Luminaire Tested: **24PD-50-PL1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506674
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-50-PL1-L835
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

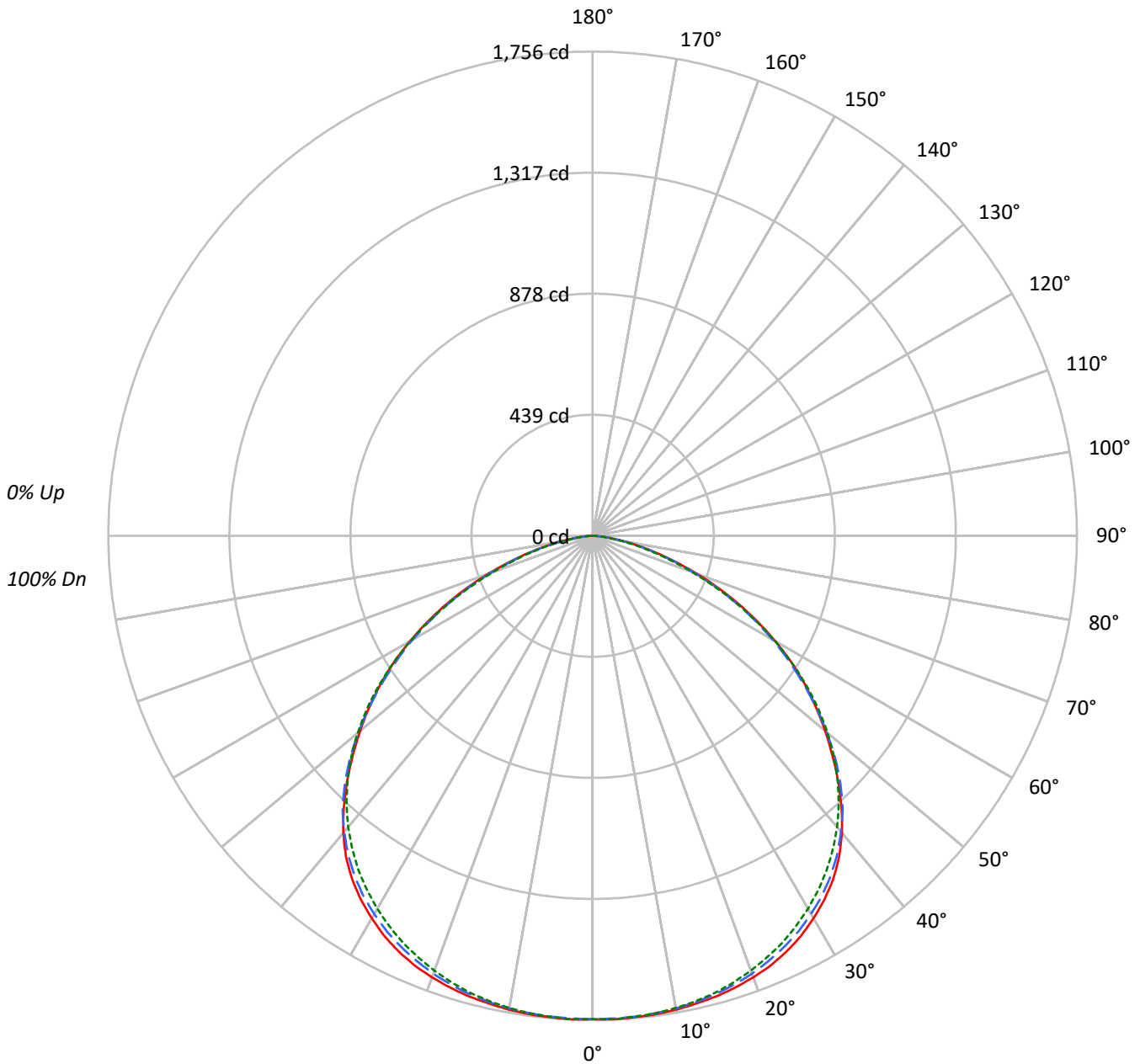
Lumens per Lamp: N/A
Luminaire Lumens: 5029.5 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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	2365
10°	2384	2378	2376
15°	2409	2397	2390
20°	2440	2420	2402
25°	2470	2442	2417
30°	2489	2461	2426
35°	2497	2472	2431
40°	2471	2461	2422
45°	2395	2417	2391
50°	2302	2319	2327
55°	2203	2186	2218
60°	2060	2027	2053
65°	1854	1817	1816
70°	1579	1543	1507
75°	1243	1215	1166
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°	486.6	9.7
20°-30°	758.6	15.1
30°-40°	938.7	18.7
40°-50°	973.1	19.3
50°-60°	837.9	16.7
60°-70°	568.5	11.3
70°-80°	253.7	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°	1412.1	28.1
0°-40°	2350.8	46.7
0°-60°	4161.7	82.7
0°-90°	5029.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5029.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1753	1753	1753	1753	1753	
5°	1753	1751	1750	1750	1751	167
15°	1730	1725	1721	1717	1716	489
25°	1664	1657	1645	1633	1628	767
35°	1520	1516	1505	1489	1480	949
45°	1259	1264	1270	1266	1256	970
55°	939	940	932	942	946	837
65°	582	585	571	565	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°	1753.2	1753.2	1753.2	1753.2	1753.2
2.5°	1755.6	1751.8	1752.3	1752.8	1754.7
5°	1753.2	1750.8	1750.4	1750.4	1750.8
7.5°	1750.4	1747.5	1747.0	1746.5	1746.5
10°	1745.1	1742.2	1740.3	1739.3	1738.8
12.5°	1737.9	1734.5	1732.1	1730.2	1728.7
15°	1729.7	1724.9	1721.1	1717.2	1715.8
17.5°	1718.2	1713.9	1707.1	1700.9	1698.5
20°	1703.8	1699.5	1689.9	1681.2	1677.9
22.5°	1687.0	1680.7	1668.7	1659.1	1654.3
25°	1663.5	1657.2	1644.7	1632.7	1627.9
27.5°	1636.1	1630.3	1616.9	1602.5	1596.7
30°	1602.0	1598.2	1583.8	1567.9	1561.7
32.5°	1564.1	1560.2	1547.8	1530.0	1522.8
35°	1520.4	1516.1	1505.0	1488.7	1480.1
37.5°	1468.5	1467.1	1456.5	1439.7	1431.6
40°	1406.6	1409.5	1401.3	1386.9	1378.8
42.5°	1336.0	1342.3	1342.3	1328.8	1320.7
45°	1258.8	1264.5	1270.3	1265.5	1256.4
47.5°	1179.5	1185.8	1192.5	1194.4	1186.7
50°	1099.8	1103.7	1108.0	1116.7	1111.9
52.5°	1020.6	1022.1	1020.6	1032.2	1031.2
55°	939.0	939.5	931.8	942.4	945.7
57.5°	854.1	855.5	843.0	848.8	856.0
60°	765.7	767.2	753.2	754.2	762.8
62.5°	674.5	676.4	662.5	659.1	666.8
65°	582.3	584.7	570.8	564.6	570.3
67.5°	490.6	493.5	480.6	472.9	474.3
70°	401.3	403.7	392.2	385.0	383.1
72.5°	316.4	318.8	309.6	302.4	299.1
75°	239.1	241.0	233.8	228.5	224.2
77.5°	171.9	173.3	167.5	163.7	159.4
80°	114.7	115.2	111.4	109.0	105.1
82.5°	68.7	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)