

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: P506490

Luminaire Tested: **22PD-80-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PL1-L935
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

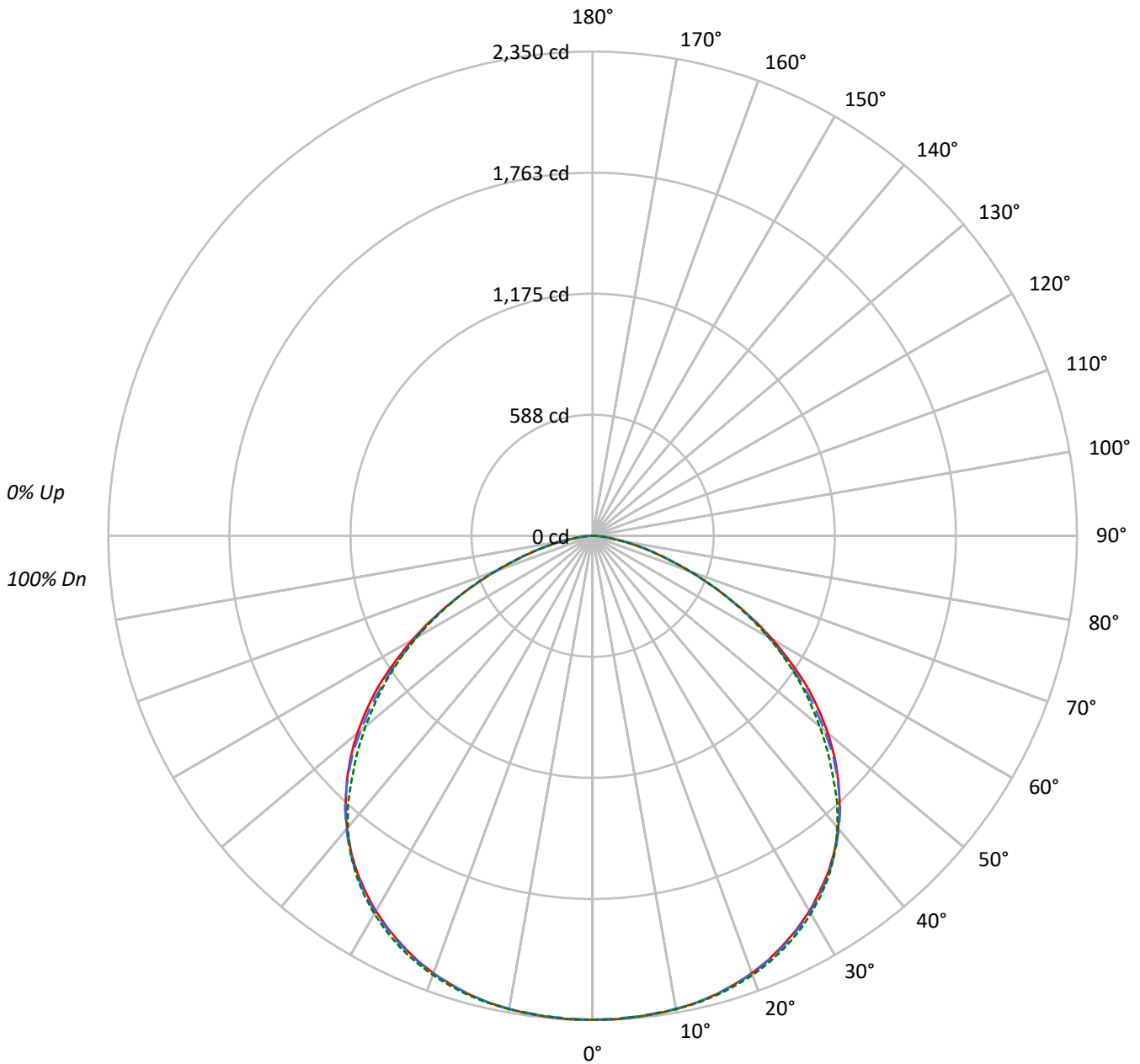
Lumens per Lamp: N/A
Luminaire Lumens: 6651.2 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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					20					
RC	80					70					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	97	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	77	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61								
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52								
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35								
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31								
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6319	6319	6319
5°	6336	6330	6332
10°	6376	6369	6376
15°	6422	6422	6436
20°	6469	6476	6497
25°	6503	6518	6550
30°	6536	6557	6582
35°	6546	6568	6581
40°	6512	6529	6489
45°	6419	6400	6271
50°	6238	6141	6016
55°	5935	5784	5718
60°	5434	5331	5300
65°	4738	4728	4712
70°	3884	3949	3936
75°	3078	3130	3078
80°	2255	2242	2230
85°	1507	1482	1584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	3.4
10°-20°	651.6	9.8
20°-30°	1012.7	15.2
30°-40°	1248.5	18.8
40°-50°	1289.6	19.4
50°-60°	1103.4	16.6
60°-70°	736.5	11.1
70°-80°	323.2	4.9
80°-90°	62.5	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°	1887.6	28.4
0°-40°	3136.0	47.2
0°-60°	5529.1	83.1
0°-90°	6651.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6651.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2348	2348	2348	2348	2348	
5°	2346	2342	2343	2342	2344	224
15°	2305	2303	2305	2307	2310	651
25°	2190	2190	2195	2202	2206	1010
35°	1993	1993	1999	2003	2003	1245
45°	1687	1686	1682	1666	1648	1298
55°	1265	1249	1233	1226	1219	1124
65°	744	742	742	745	740	738
75°	296	294	301	299	296	321
85°	49	48	48	50	51	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2348.2	2348.2	2348.2	2348.2	2348.2
2.5°	2349.9	2346.6	2345.7	2345.7	2349.9
5°	2345.7	2342.4	2343.2	2341.6	2344.1
7.5°	2339.9	2336.6	2337.5	2336.6	2339.9
10°	2333.3	2330.0	2330.8	2330.0	2333.3
12.5°	2321.7	2319.3	2320.9	2321.7	2324.2
15°	2305.2	2302.7	2305.2	2306.9	2310.2
17.5°	2283.7	2282.1	2284.5	2287.0	2291.2
20°	2258.9	2257.3	2261.4	2263.9	2268.8
22.5°	2228.3	2226.7	2230.8	2236.6	2239.9
25°	2190.3	2190.3	2195.2	2201.9	2206.0
27.5°	2149.8	2148.9	2154.7	2161.3	2165.5
30°	2103.5	2101.8	2110.1	2115.9	2118.3
32.5°	2049.7	2050.5	2058.0	2063.8	2064.6
35°	1992.7	1992.7	1999.3	2003.4	2003.4
37.5°	1927.3	1926.5	1933.1	1934.8	1932.3
40°	1853.8	1854.6	1858.7	1857.9	1847.1
42.5°	1774.4	1775.2	1778.5	1766.9	1756.2
45°	1686.7	1685.9	1681.8	1666.1	1647.9
47.5°	1593.3	1589.2	1582.6	1558.6	1545.4
50°	1490.0	1483.3	1466.8	1447.8	1437.0
52.5°	1380.8	1369.2	1352.7	1337.8	1328.7
55°	1265.1	1249.3	1232.8	1226.2	1218.8
57.5°	1136.1	1126.1	1112.1	1108.8	1103.8
60°	1009.6	998.8	990.5	990.5	984.8
62.5°	877.3	870.7	867.3	869.0	863.2
65°	744.1	742.5	742.5	745.0	740.0
67.5°	615.2	618.5	617.6	625.9	619.3
70°	493.6	499.4	501.9	510.2	500.2
72.5°	388.6	389.4	392.7	395.2	390.3
75°	296.0	293.5	301.0	299.3	296.0
77.5°	214.1	212.5	215.0	216.6	212.5
80°	145.5	143.9	144.7	147.2	143.9
82.5°	91.8	90.1	90.1	92.6	91.8
85°	48.8	48.0	48.0	49.6	51.3
87.5°	17.4	16.5	17.4	17.4	17.4
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)