

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: P506492

Luminaire Tested: **22PD-80-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506492
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-L950
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

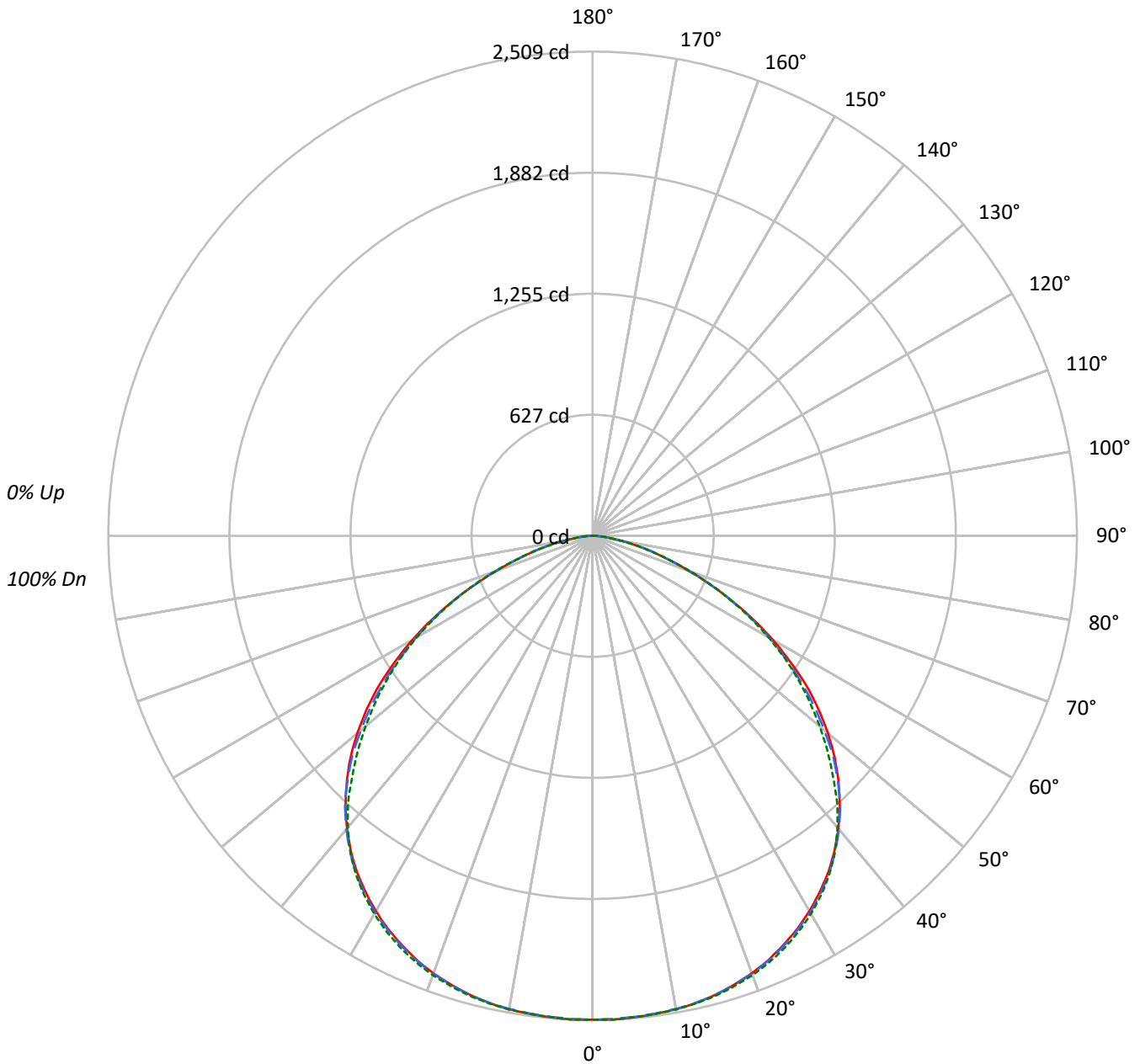
Lumens per Lamp: N/A
Luminaire Lumens: 7102.8 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
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	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°	6748	6748	6748
5°	6767	6760	6762
10°	6809	6801	6809
15°	6858	6858	6873
20°	6908	6916	6938
25°	6945	6961	6995
30°	6980	7002	7029
35°	6991	7014	7028
40°	6954	6973	6929
45°	6855	6835	6697
50°	6661	6558	6424
55°	6338	6176	6106
60°	5802	5693	5660
65°	5060	5049	5032
70°	4147	4217	4203
75°	3287	3342	3287
80°	2408	2394	2380
85°	1609	1581	1689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.4	3.4
10°-20°	695.8	9.8
20°-30°	1081.5	15.2
30°-40°	1333.2	18.8
40°-50°	1377.2	19.4
50°-60°	1178.4	16.6
60°-70°	786.5	11.1
70°-80°	345.1	4.9
80°-90°	66.7	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°	2015.7	28.4
0°-40°	3349.0	47.2
0°-60°	5904.5	83.1
0°-90°	7102.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7102.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2508	2508	2508	2508	2508	
5°	2505	2502	2502	2501	2503	239
15°	2462	2459	2462	2464	2467	696
25°	2339	2339	2344	2351	2356	1079
35°	2128	2128	2135	2139	2139	1330
45°	1801	1800	1796	1779	1760	1387
55°	1351	1334	1316	1310	1302	1201
65°	795	793	793	796	790	788
75°	316	314	321	320	316	343
85°	52	51	51	53	55	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2507.7	2507.7	2507.7	2507.7	2507.7
2.5°	2509.4	2505.9	2505.0	2505.0	2509.4
5°	2505.0	2501.5	2502.4	2500.6	2503.2
7.5°	2498.8	2495.3	2496.2	2495.3	2498.8
10°	2491.8	2488.2	2489.1	2488.2	2491.8
12.5°	2479.4	2476.7	2478.5	2479.4	2482.0
15°	2461.7	2459.1	2461.7	2463.5	2467.0
17.5°	2438.8	2437.0	2439.7	2442.3	2446.7
20°	2412.3	2410.5	2414.9	2417.6	2422.9
22.5°	2379.6	2377.9	2382.3	2388.4	2392.0
25°	2339.0	2339.0	2344.3	2351.4	2355.8
27.5°	2295.7	2294.9	2301.0	2308.1	2312.5
30°	2246.3	2244.5	2253.4	2259.5	2262.2
32.5°	2188.9	2189.8	2197.7	2203.9	2204.8
35°	2128.0	2128.0	2135.0	2139.4	2139.4
37.5°	2058.2	2057.3	2064.4	2066.2	2063.5
40°	1979.6	1980.5	1984.9	1984.0	1972.6
42.5°	1894.9	1895.7	1899.3	1886.9	1875.4
45°	1801.3	1800.4	1796.0	1779.2	1759.8
47.5°	1701.5	1697.1	1690.0	1664.4	1650.3
50°	1591.1	1584.1	1566.4	1546.1	1534.6
52.5°	1474.6	1462.2	1444.5	1428.7	1418.9
55°	1351.0	1334.2	1316.5	1309.5	1301.5
57.5°	1213.2	1202.6	1187.6	1184.1	1178.8
60°	1078.1	1066.6	1057.8	1057.8	1051.6
62.5°	936.8	929.8	926.2	928.0	921.8
65°	794.7	792.9	792.9	795.6	790.3
67.5°	656.9	660.5	659.6	668.4	661.3
70°	527.1	533.3	536.0	544.8	534.2
72.5°	415.0	415.9	419.4	422.1	416.8
75°	316.1	313.5	321.4	319.6	316.1
77.5°	228.7	226.9	229.6	231.3	226.9
80°	155.4	153.6	154.5	157.2	153.6
82.5°	98.0	96.2	96.2	98.9	98.0
85°	52.1	51.2	51.2	53.0	54.7
87.5°	18.5	17.7	18.5	18.5	18.5
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)