

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: P506141

Luminaire Tested: **14PD-80-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PL1-L950
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

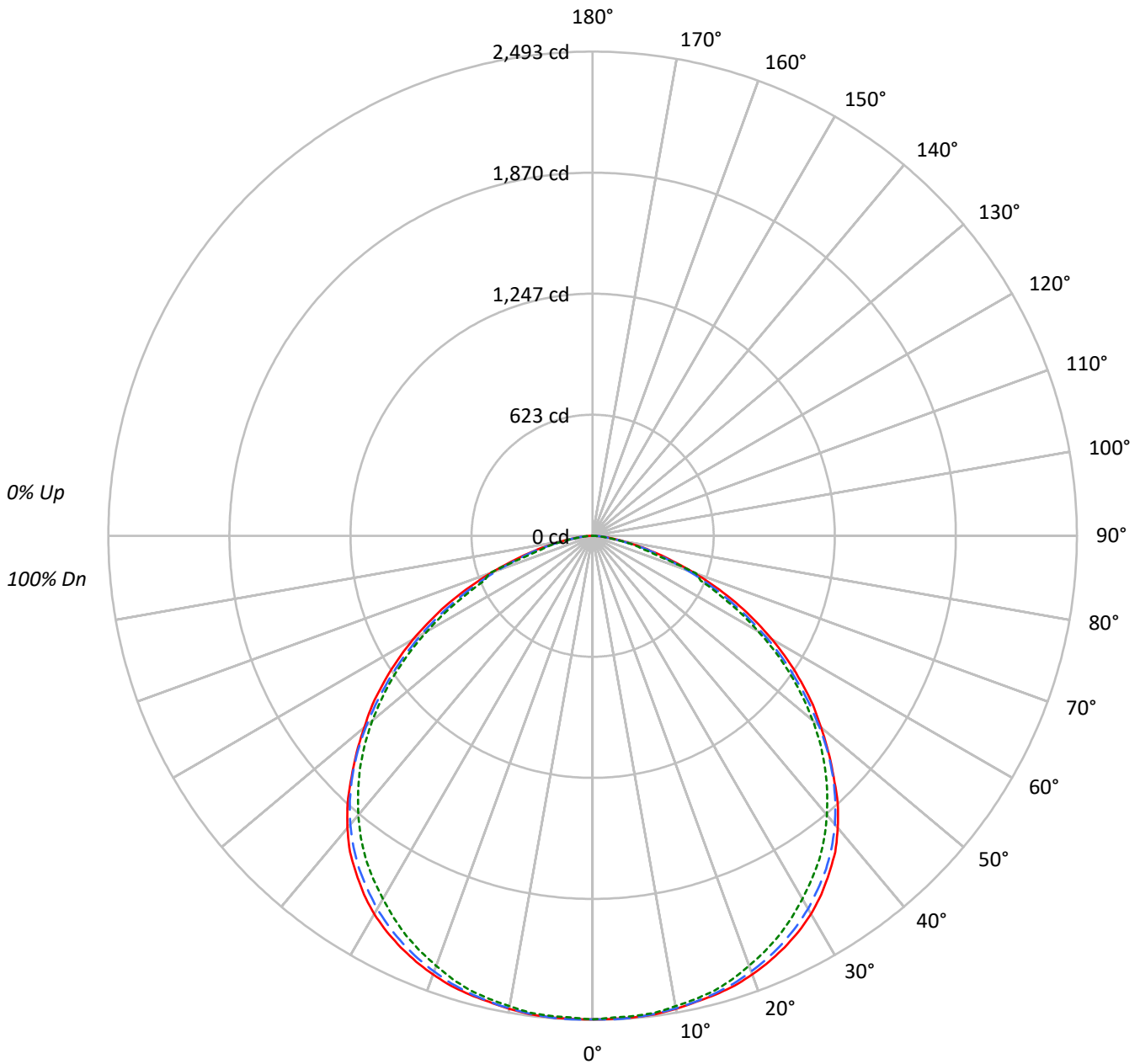
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6920.2 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 84.4
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

TEST NUMBER: P506141
CATALOG NUMBER: 14PD-80-PL1-L950

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	98	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	78	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61								
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52								
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35								
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31								
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6700	6700	6700
5°	6722	6726	6704
10°	6759	6751	6721
15°	6815	6796	6754
20°	6884	6836	6747
25°	6942	6873	6743
30°	6989	6891	6709
35°	6971	6881	6684
40°	6897	6816	6590
45°	6676	6655	6442
50°	6422	6365	6193
55°	6145	5966	5831
60°	5740	5483	5299
65°	5172	4849	4588
70°	4325	4056	4454
75°	3412	3284	2844
80°	2458	2182	2225
85°	1562	1309	1226



TEST NUMBER: P506141

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.7	3.4
10°-20°	688.1	9.9
20°-30°	1063.9	15.4
30°-40°	1302.1	18.8
40°-50°	1334.9	19.3
50°-60°	1137.0	16.4
60°-70°	759.8	11.0
70°-80°	336.7	4.9
80°-90°	60.9	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°	1988.8	28.7
0°-40°	3290.9	47.6
0°-60°	5762.8	83.3
0°-90°	6920.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6920.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2490	2490	2490	2490	2490	
5°	2488	2483	2490	2488	2482	237
15°	2446	2438	2439	2432	2424	692
25°	2338	2330	2315	2285	2271	1078
35°	2122	2117	2095	2048	2035	1327
45°	1754	1760	1749	1709	1693	1354
55°	1310	1303	1272	1246	1243	1169
65°	812	805	762	727	721	801
75°	328	332	316	317	274	355
85°	51	49	42	41	40	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2489.9	2489.9	2489.9	2489.9	2489.9
2.5°	2489.9	2485.8	2492.6	2495.4	2483.1
5°	2488.5	2483.1	2489.9	2488.5	2481.7
7.5°	2484.4	2474.9	2481.7	2479.0	2476.2
10°	2473.5	2465.3	2470.8	2466.6	2459.8
12.5°	2458.4	2453.0	2457.1	2453.0	2443.4
15°	2446.1	2437.9	2439.3	2432.5	2424.3
17.5°	2429.7	2417.4	2417.4	2403.8	2394.2
20°	2403.8	2392.8	2387.3	2368.2	2355.9
22.5°	2373.7	2365.5	2354.5	2329.9	2316.2
25°	2338.1	2329.9	2314.9	2284.8	2271.1
27.5°	2297.1	2286.2	2269.8	2234.2	2217.8
30°	2249.2	2235.6	2217.8	2178.1	2159.0
32.5°	2190.4	2180.9	2157.6	2116.6	2098.8
35°	2122.1	2116.6	2094.7	2048.2	2034.6
37.5°	2052.3	2041.4	2022.3	1973.0	1959.4
40°	1963.5	1956.6	1940.2	1892.4	1876.0
42.5°	1867.8	1863.7	1850.0	1804.9	1787.1
45°	1754.3	1759.7	1748.8	1709.2	1692.7
47.5°	1646.3	1643.5	1639.4	1603.9	1590.2
50°	1534.1	1528.7	1520.5	1491.7	1479.4
52.5°	1428.9	1417.9	1396.0	1371.4	1363.2
55°	1309.9	1303.1	1271.6	1245.6	1242.9
57.5°	1189.6	1185.5	1147.2	1117.1	1117.1
60°	1066.5	1061.0	1018.7	987.2	984.5
62.5°	938.0	933.9	890.1	854.6	855.9
65°	812.2	805.4	761.6	727.4	720.6
67.5°	680.9	678.2	635.8	604.4	601.6
70°	549.7	549.7	515.5	488.1	566.1
72.5°	433.4	429.3	402.0	389.7	371.9
75°	328.2	332.3	315.9	317.2	273.5
77.5°	233.8	227.0	220.1	205.1	217.4
80°	158.6	154.5	140.8	136.7	143.6
82.5°	98.4	99.8	87.5	79.3	77.9
85°	50.6	49.2	42.4	41.0	39.7
87.5°	19.1	20.5	17.8	16.4	15.0
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)