

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: P506843

Luminaire Tested: **24PD-80-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506843
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-80-PL1-L950
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

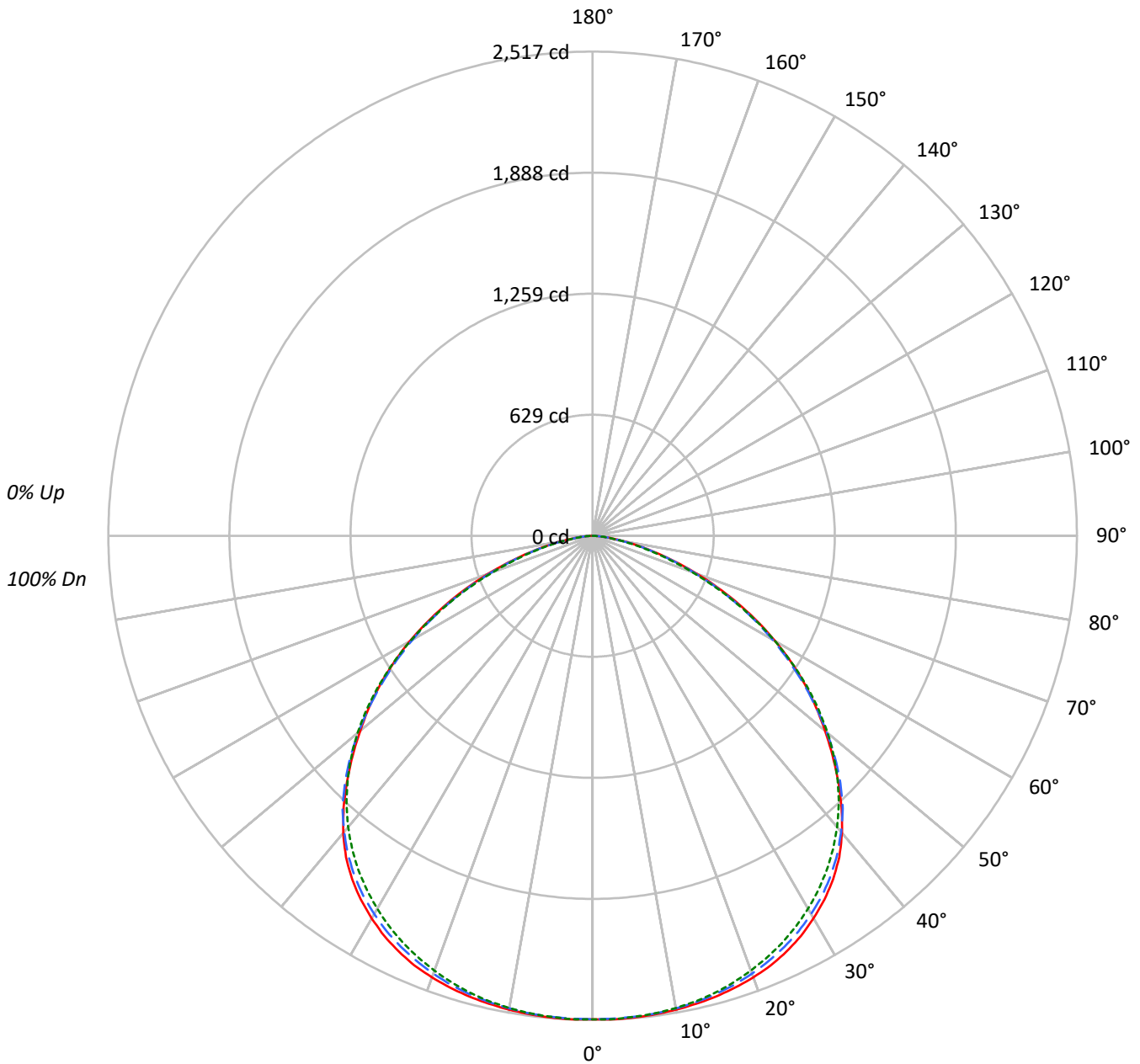
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7210.5 lumens
Efficiency: N/A
Efficacy: 117.8 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): 61.2
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: P506843
CATALOG NUMBER: 24PD-80-PL1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506843

CATALOG NUMBER: 24PD-80-PL1-L950

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°	3382	3382	3382
5°	3395	3389	3390
10°	3418	3409	3406
15°	3454	3437	3426
20°	3497	3469	3444
25°	3540	3501	3465
30°	3568	3528	3478
35°	3580	3544	3485
40°	3542	3529	3472
45°	3434	3465	3427
50°	3301	3325	3337
55°	3158	3134	3181
60°	2954	2906	2943
65°	2658	2605	2603
70°	2264	2212	2161
75°	1782	1743	1671
80°	1275	1237	1168
85°	755	744	690



TEST NUMBER: P506843

CATALOG NUMBER: 24PD-80-PL1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.2	3.3
10°-20°	697.7	9.7
20°-30°	1087.5	15.1
30°-40°	1345.8	18.7
40°-50°	1395.1	19.3
50°-60°	1201.2	16.7
60°-70°	815.0	11.3
70°-80°	363.7	5.0
80°-90°	65.4	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°	2024.4	28.1
0°-40°	3370.1	46.7
0°-60°	5966.4	82.7
0°-90°	7210.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7210.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2514	2514	2514	2514	2514	
5°	2514	2510	2509	2509	2510	240
15°	2480	2473	2467	2462	2460	701
25°	2385	2376	2358	2341	2334	1099
35°	2180	2174	2158	2134	2122	1360
45°	1805	1813	1821	1814	1801	1391
55°	1346	1347	1336	1351	1356	1201
65°	835	838	818	809	818	826
75°	343	346	335	328	321	372
85°	49	50	48	48	45	67
90°	0	0	0	0	0	



TEST NUMBER: P506843

CATALOG NUMBER: 24PD-80-PL1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2513.5	2513.5	2513.5	2513.5	2513.5
2.5°	2516.9	2511.4	2512.1	2512.8	2515.6
5°	2513.5	2510.1	2509.4	2509.4	2510.1
7.5°	2509.4	2505.2	2504.6	2503.9	2503.9
10°	2501.8	2497.7	2494.9	2493.5	2492.9
12.5°	2491.5	2486.7	2483.2	2480.5	2478.4
15°	2479.8	2472.9	2467.4	2461.9	2459.8
17.5°	2463.3	2457.1	2447.4	2438.5	2435.0
20°	2442.6	2436.4	2422.7	2410.3	2405.4
22.5°	2418.5	2409.6	2392.4	2378.6	2371.7
25°	2384.8	2375.8	2358.0	2340.7	2333.9
27.5°	2345.6	2337.3	2318.0	2297.4	2289.1
30°	2296.7	2291.2	2270.5	2247.8	2238.9
32.5°	2242.3	2236.8	2218.9	2193.5	2183.1
35°	2179.7	2173.5	2157.7	2134.3	2121.9
37.5°	2105.4	2103.3	2088.2	2064.1	2052.4
40°	2016.6	2020.7	2009.0	1988.4	1976.7
42.5°	1915.4	1924.4	1924.4	1905.1	1893.4
45°	1804.6	1812.9	1821.1	1814.2	1801.2
47.5°	1691.0	1700.0	1709.6	1712.4	1701.4
50°	1576.8	1582.3	1588.5	1600.9	1594.0
52.5°	1463.2	1465.3	1463.2	1479.7	1478.4
55°	1346.2	1346.9	1335.9	1351.0	1355.9
57.5°	1224.4	1226.5	1208.6	1216.8	1227.2
60°	1097.8	1099.8	1079.9	1081.2	1093.6
62.5°	967.0	969.7	949.8	945.0	956.0
65°	834.9	838.3	818.3	809.4	817.6
67.5°	703.4	707.5	688.9	677.9	680.0
70°	575.4	578.8	562.3	552.0	549.2
72.5°	453.6	457.0	443.9	433.6	428.8
75°	342.7	345.5	335.2	327.6	321.4
77.5°	246.4	248.5	240.2	234.7	228.5
80°	164.5	165.2	159.7	156.2	150.7
82.5°	98.4	99.1	95.7	94.3	90.2
85°	48.9	49.6	48.2	48.2	44.7
87.5°	17.2	16.5	17.2	17.2	15.1
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)