

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: P506894

Luminaire Tested: **24PD-90-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506894
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-90-PL1-L930
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

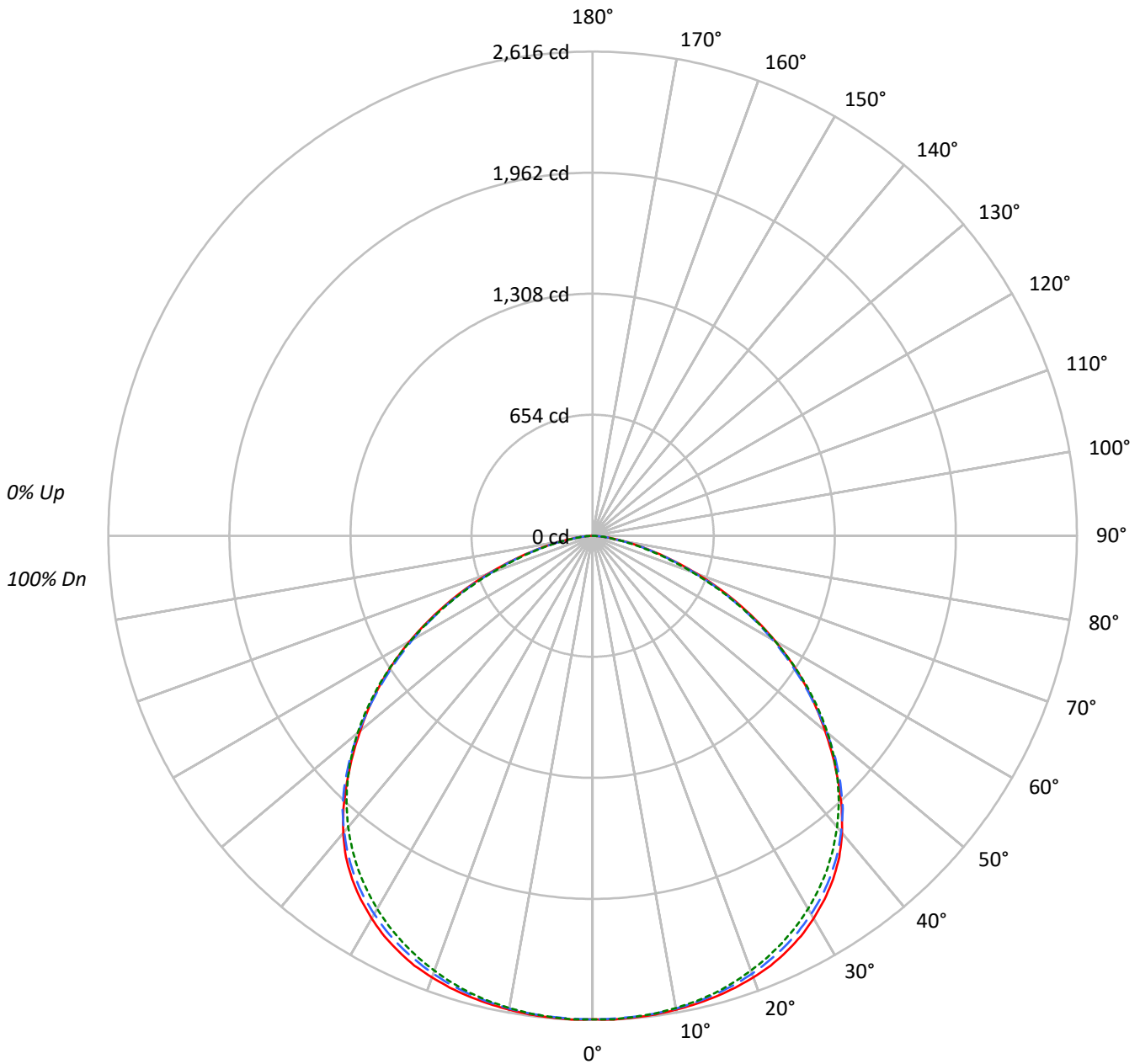
Lumens per Lamp: N/A
Luminaire Lumens: 7495.1 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
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: P506894

CATALOG NUMBER: 24PD-90-PL1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P506894

CATALOG NUMBER: 24PD-90-PL1-L930

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	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°	3515	3515	3515
5°	3529	3523	3524
10°	3553	3543	3540
15°	3591	3573	3562
20°	3635	3606	3580
25°	3680	3639	3602
30°	3709	3667	3616
35°	3722	3684	3623
40°	3682	3668	3609
45°	3569	3602	3563
50°	3431	3456	3468
55°	3283	3257	3306
60°	3071	3021	3059
65°	2763	2708	2706
70°	2353	2299	2246
75°	1852	1811	1737
80°	1325	1286	1214
85°	784	773	718



TEST NUMBER: P506894

CATALOG NUMBER: 24PD-90-PL1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	3.3
10°-20°	725.2	9.7
20°-30°	1130.5	15.1
30°-40°	1398.9	18.7
40°-50°	1450.2	19.3
50°-60°	1248.6	16.7
60°-70°	847.2	11.3
70°-80°	378.0	5.0
80°-90°	68.0	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°	2104.3	28.1
0°-40°	3503.2	46.7
0°-60°	6201.9	82.7
0°-90°	7495.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7495.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2613	2613	2613	2613	2613	
5°	2613	2609	2608	2608	2609	249
15°	2578	2570	2565	2559	2557	729
25°	2479	2470	2451	2433	2426	1143
35°	2266	2259	2243	2218	2206	1414
45°	1876	1884	1893	1886	1872	1446
55°	1399	1400	1389	1404	1409	1248
65°	868	871	851	841	850	859
75°	356	359	348	340	334	387
85°	51	52	50	50	46	70
90°	0	0	0	0	0	



TEST NUMBER: P506894

CATALOG NUMBER: 24PD-90-PL1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2612.7	2612.7	2612.7	2612.7	2612.7
2.5°	2616.3	2610.6	2611.3	2612.0	2614.9
5°	2612.7	2609.1	2608.4	2608.4	2609.1
7.5°	2608.4	2604.1	2603.4	2602.7	2602.7
10°	2600.6	2596.3	2593.4	2592.0	2591.3
12.5°	2589.8	2584.8	2581.2	2578.4	2576.2
15°	2577.7	2570.5	2564.8	2559.1	2556.9
17.5°	2560.5	2554.1	2544.0	2534.7	2531.2
20°	2539.0	2532.6	2518.3	2505.4	2500.4
22.5°	2514.0	2504.7	2486.8	2472.5	2465.3
25°	2478.9	2469.6	2451.0	2433.2	2426.0
27.5°	2438.2	2429.6	2409.5	2388.1	2379.5
30°	2387.4	2381.6	2360.2	2336.6	2327.3
32.5°	2330.8	2325.1	2306.5	2280.1	2269.3
35°	2265.7	2259.3	2242.9	2218.5	2205.7
37.5°	2188.5	2186.3	2170.6	2145.6	2133.4
40°	2096.2	2100.5	2088.3	2066.9	2054.7
42.5°	1991.0	2000.3	2000.3	1980.3	1968.1
45°	1875.8	1884.4	1893.0	1885.9	1872.3
47.5°	1757.8	1767.1	1777.1	1780.0	1768.5
50°	1639.0	1644.8	1651.2	1664.1	1656.9
52.5°	1521.0	1523.1	1521.0	1538.2	1536.7
55°	1399.4	1400.1	1388.6	1404.4	1409.4
57.5°	1272.7	1274.9	1256.3	1264.9	1275.6
60°	1141.1	1143.2	1122.5	1123.9	1136.8
62.5°	1005.2	1008.0	987.3	982.3	993.7
65°	867.8	871.4	850.6	841.3	849.9
67.5°	731.2	735.5	716.1	704.7	706.8
70°	598.1	601.7	584.5	573.8	570.9
72.5°	471.5	475.0	461.4	450.7	445.7
75°	356.3	359.1	348.4	340.5	334.1
77.5°	256.1	258.3	249.7	244.0	237.5
80°	171.0	171.7	166.0	162.4	156.7
82.5°	102.3	103.0	99.4	98.0	93.7
85°	50.8	51.5	50.1	50.1	46.5
87.5°	17.9	17.2	17.9	17.9	15.7
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)