

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: P506568

Luminaire Tested: **24PD-30-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506568
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-30-PL1-L850
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

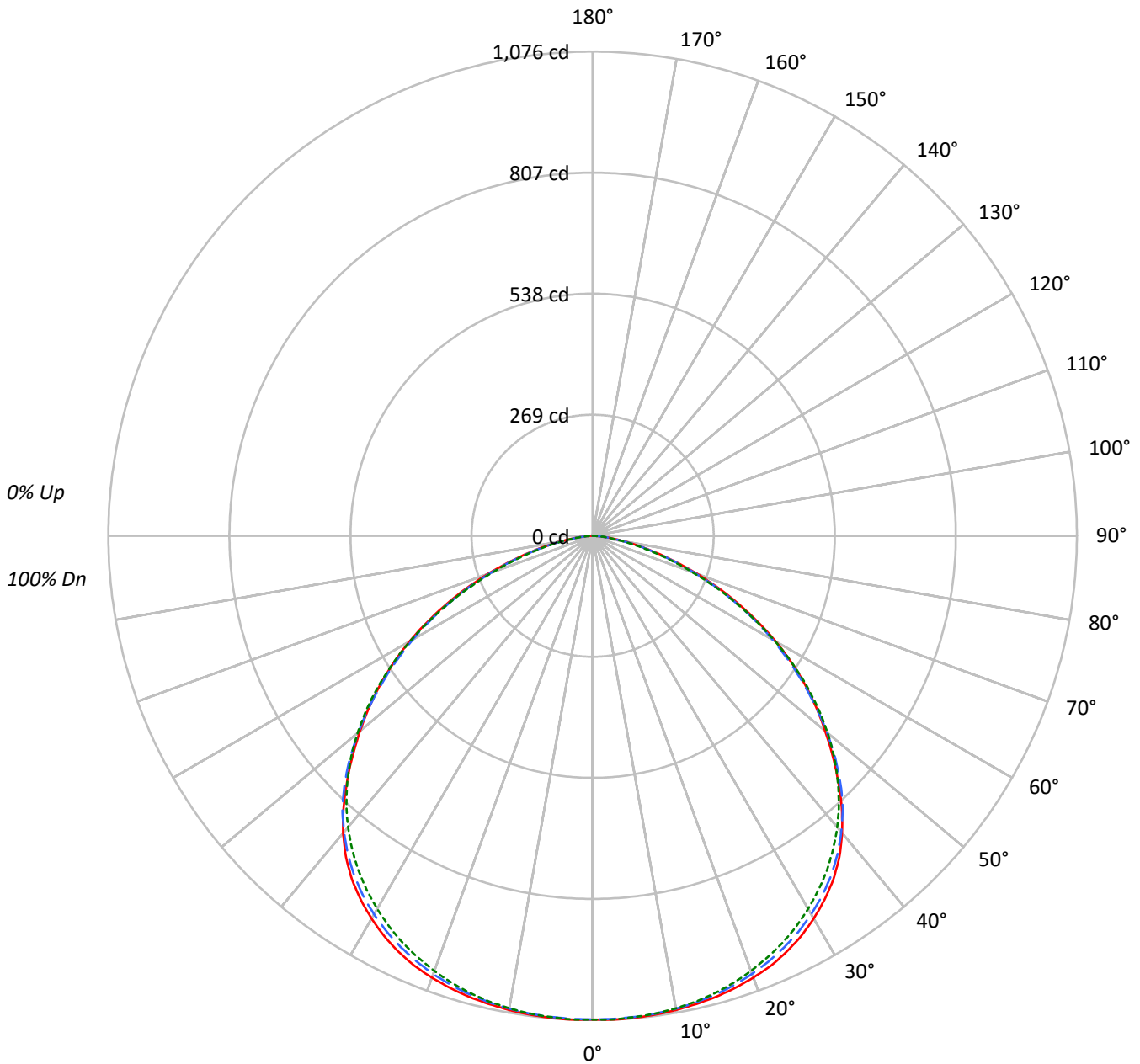
Lumens per Lamp: N/A
Luminaire Lumens: 3084.1 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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: P506568

CATALOG NUMBER: 24PD-30-PL1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P506568

CATALOG NUMBER: 24PD-30-PL1-L850

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°	1447	1447	1447
5°	1452	1450	1450
10°	1462	1458	1457
15°	1477	1470	1466
20°	1496	1484	1473
25°	1514	1497	1482
30°	1526	1509	1488
35°	1531	1516	1491
40°	1515	1509	1485
45°	1469	1482	1466
50°	1412	1422	1427
55°	1351	1340	1360
60°	1263	1243	1259
65°	1137	1114	1113
70°	968	946	924
75°	762	745	715
80°	545	529	500
85°	323	318	295



TEST NUMBER: P506568

CATALOG NUMBER: 24PD-30-PL1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	3.3
10°-20°	298.4	9.7
20°-30°	465.2	15.1
30°-40°	575.6	18.7
40°-50°	596.7	19.3
50°-60°	513.8	16.7
60°-70°	348.6	11.3
70°-80°	155.6	5.0
80°-90°	28.0	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°	865.9	28.1
0°-40°	1441.5	46.7
0°-60°	2551.9	82.7
0°-90°	3084.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3084.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1075	1075	1075	1075	1075	
5°	1075	1074	1073	1073	1074	102
15°	1061	1058	1055	1053	1052	300
25°	1020	1016	1008	1001	998	470
35°	932	930	923	913	908	582
45°	772	775	779	776	770	595
55°	576	576	571	578	580	513
65°	357	359	350	346	350	353
75°	147	148	143	140	138	159
85°	21	21	21	21	19	29
90°	0	0	0	0	0	



TEST NUMBER: P506568

CATALOG NUMBER: 24PD-30-PL1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1075.1	1075.1	1075.1	1075.1	1075.1
2.5°	1076.5	1074.2	1074.5	1074.8	1076.0
5°	1075.1	1073.6	1073.3	1073.3	1073.6
7.5°	1073.3	1071.5	1071.2	1070.9	1070.9
10°	1070.1	1068.3	1067.1	1066.5	1066.2
12.5°	1065.6	1063.6	1062.1	1060.9	1060.1
15°	1060.6	1057.7	1055.3	1053.0	1052.1
17.5°	1053.6	1050.9	1046.8	1043.0	1041.5
20°	1044.7	1042.1	1036.2	1030.9	1028.9
22.5°	1034.4	1030.6	1023.3	1017.4	1014.4
25°	1020.0	1016.2	1008.5	1001.2	998.2
27.5°	1003.2	999.7	991.5	982.6	979.1
30°	982.3	980.0	971.2	961.4	957.6
32.5°	959.1	956.7	949.1	938.2	933.8
35°	932.3	929.6	922.9	912.9	907.6
37.5°	900.5	899.6	893.1	882.8	877.8
40°	862.5	864.3	859.3	850.5	845.5
42.5°	819.3	823.1	823.1	814.8	809.8
45°	771.9	775.4	778.9	776.0	770.4
47.5°	723.3	727.1	731.2	732.4	727.7
50°	674.4	676.8	679.4	684.7	681.8
52.5°	625.8	626.7	625.8	632.9	632.3
55°	575.8	576.1	571.4	577.9	579.9
57.5°	523.7	524.6	516.9	520.5	524.9
60°	469.5	470.4	461.9	462.5	467.8
62.5°	413.6	414.8	406.2	404.2	408.9
65°	357.1	358.6	350.0	346.2	349.7
67.5°	300.9	302.6	294.7	290.0	290.8
70°	246.1	247.6	240.5	236.1	234.9
72.5°	194.0	195.5	189.9	185.5	183.4
75°	146.6	147.8	143.4	140.1	137.5
77.5°	105.4	106.3	102.7	100.4	97.7
80°	70.4	70.7	68.3	66.8	64.5
82.5°	42.1	42.4	40.9	40.3	38.6
85°	20.9	21.2	20.6	20.6	19.1
87.5°	7.4	7.1	7.4	7.4	6.5
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)