

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: P506569

Luminaire Tested: **24PD-30-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506569
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-L927
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

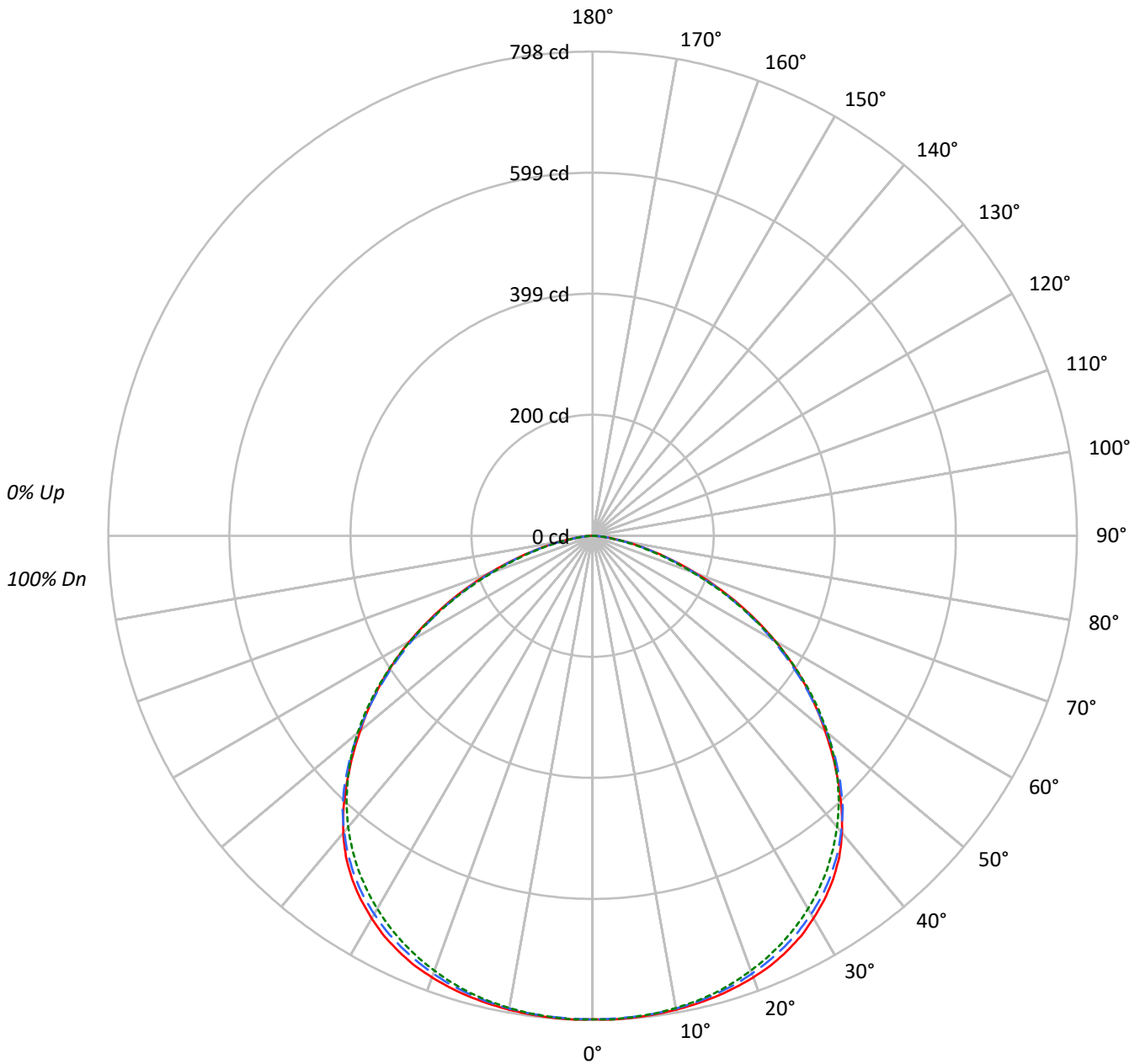
Lumens per Lamp: N/A
Luminaire Lumens: 2286.2 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	1072	1072	1072
5°	1076	1075	1075
10°	1084	1081	1080
15°	1095	1090	1086
20°	1109	1100	1092
25°	1122	1110	1099
30°	1131	1118	1103
35°	1135	1124	1105
40°	1123	1119	1101
45°	1089	1099	1087
50°	1047	1054	1058
55°	1001	994	1008
60°	937	921	933
65°	843	826	826
70°	718	701	685
75°	565	553	530
80°	404	392	370
85°	239	236	219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	3.3
10°-20°	221.2	9.7
20°-30°	344.8	15.1
30°-40°	426.7	18.7
40°-50°	442.3	19.3
50°-60°	380.9	16.7
60°-70°	258.4	11.3
70°-80°	115.3	5.0
80°-90°	20.7	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°	641.9	28.1
0°-40°	1068.6	46.7
0°-60°	1891.8	82.7
0°-90°	2286.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2286.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	797	796	796	796	796	76
15°	786	784	782	781	780	222
25°	756	753	748	742	740	349
35°	691	689	684	677	673	431
45°	572	575	577	575	571	441
55°	427	427	424	428	430	381
65°	265	266	260	257	259	262
75°	109	110	106	104	102	118
85°	16	16	15	15	14	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.0	797.0	797.0	797.0	797.0
2.5°	798.0	796.3	796.5	796.7	797.6
5°	797.0	795.9	795.6	795.6	795.9
7.5°	795.6	794.3	794.1	793.9	793.9
10°	793.2	791.9	791.1	790.6	790.4
12.5°	790.0	788.4	787.4	786.5	785.8
15°	786.3	784.1	782.3	780.6	779.9
17.5°	781.0	779.1	776.0	773.2	772.1
20°	774.5	772.5	768.1	764.2	762.7
22.5°	766.8	764.0	758.5	754.2	752.0
25°	756.1	753.3	747.6	742.2	740.0
27.5°	743.7	741.1	735.0	728.4	725.8
30°	728.2	726.5	719.9	712.7	709.9
32.5°	711.0	709.2	703.6	695.5	692.2
35°	691.1	689.2	684.1	676.7	672.8
37.5°	667.5	666.9	662.1	654.5	650.7
40°	639.4	640.7	637.0	630.4	626.7
42.5°	607.3	610.2	610.2	604.0	600.3
45°	572.2	574.8	577.4	575.2	571.1
47.5°	536.2	539.0	542.1	542.9	539.5
50°	500.0	501.7	503.7	507.6	505.4
52.5°	463.9	464.6	463.9	469.2	468.7
55°	426.8	427.1	423.6	428.4	429.9
57.5°	388.2	388.9	383.2	385.8	389.1
60°	348.1	348.7	342.4	342.8	346.8
62.5°	306.6	307.5	301.1	299.6	303.1
65°	264.7	265.8	259.5	256.6	259.3
67.5°	223.0	224.3	218.4	215.0	215.6
70°	182.4	183.5	178.3	175.0	174.1
72.5°	143.8	144.9	140.8	137.5	136.0
75°	108.7	109.5	106.3	103.9	101.9
77.5°	78.1	78.8	76.2	74.4	72.5
80°	52.2	52.4	50.6	49.5	47.8
82.5°	31.2	31.4	30.3	29.9	28.6
85°	15.5	15.7	15.3	15.3	14.2
87.5°	5.5	5.2	5.5	5.5	4.8
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)