

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: P506571

Luminaire Tested: **24PD-30-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506571
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-L935
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

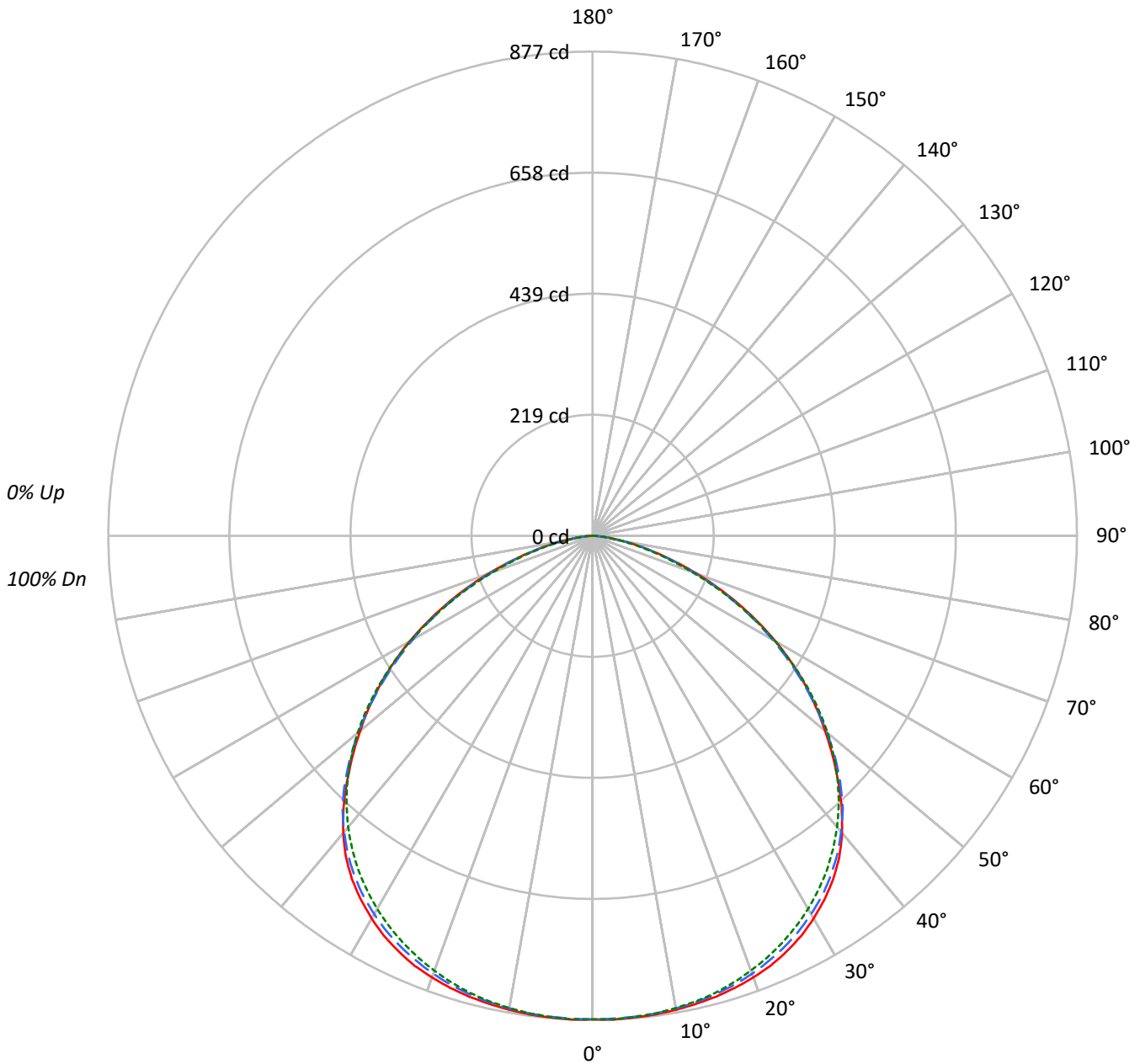
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2512.7 lumens
Efficiency: N/A
Efficacy: 118.0 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 (Ain): 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°	1179	1179	1179
5°	1183	1181	1181
10°	1191	1188	1187
15°	1204	1198	1194
20°	1219	1209	1200
25°	1234	1220	1207
30°	1244	1229	1212
35°	1248	1235	1214
40°	1234	1230	1210
45°	1197	1208	1194
50°	1150	1159	1163
55°	1100	1092	1108
60°	1030	1013	1026
65°	926	908	907
70°	789	771	753
75°	621	607	582
80°	444	431	407
85°	262	259	241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	3.3
10°-20°	243.1	9.7
20°-30°	379.0	15.1
30°-40°	469.0	18.7
40°-50°	486.2	19.3
50°-60°	418.6	16.7
60°-70°	284.0	11.3
70°-80°	126.7	5.0
80°-90°	22.8	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°	705.5	28.1
0°-40°	1174.4	46.7
0°-60°	2079.2	82.7
0°-90°	2512.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	876	875	874	874	875	83
15°	864	862	860	858	857	244
25°	831	828	822	816	813	383
35°	760	757	752	744	739	474
45°	629	632	635	632	628	485
55°	469	469	466	471	472	418
65°	291	292	285	282	285	288
75°	119	120	117	114	112	130
85°	17	17	17	17	16	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	875.9	875.9	875.9	875.9	875.9
2.5°	877.1	875.2	875.4	875.7	876.6
5°	875.9	874.7	874.5	874.5	874.7
7.5°	874.5	873.0	872.8	872.6	872.6
10°	871.8	870.4	869.4	869.0	868.7
12.5°	868.2	866.6	865.4	864.4	863.7
15°	864.2	861.8	859.8	857.9	857.2
17.5°	858.4	856.2	852.9	849.8	848.6
20°	851.2	849.1	844.3	839.9	838.3
22.5°	842.8	839.7	833.7	828.9	826.5
25°	831.1	827.9	821.7	815.7	813.3
27.5°	817.4	814.5	807.8	800.6	797.7
30°	800.4	798.4	791.3	783.3	780.2
32.5°	781.4	779.5	773.3	764.4	760.8
35°	759.6	757.4	751.9	743.8	739.4
37.5°	733.7	733.0	727.7	719.3	715.2
40°	702.7	704.2	700.1	692.9	688.8
42.5°	667.5	670.6	670.6	663.9	659.8
45°	628.9	631.8	634.6	632.2	627.7
47.5°	589.3	592.4	595.8	596.7	592.9
50°	549.5	551.4	553.6	557.9	555.5
52.5°	509.9	510.6	509.9	515.7	515.2
55°	469.1	469.4	465.5	470.8	472.5
57.5°	426.7	427.4	421.2	424.0	427.6
60°	382.6	383.3	376.3	376.8	381.1
62.5°	337.0	337.9	331.0	329.3	333.1
65°	290.9	292.1	285.2	282.1	284.9
67.5°	245.1	246.6	240.1	236.2	237.0
70°	200.5	201.7	196.0	192.4	191.4
72.5°	158.1	159.3	154.7	151.1	149.4
75°	119.4	120.4	116.8	114.2	112.0
77.5°	85.9	86.6	83.7	81.8	79.6
80°	57.3	57.6	55.6	54.4	52.5
82.5°	34.3	34.5	33.3	32.9	31.4
85°	17.0	17.3	16.8	16.8	15.6
87.5°	6.0	5.8	6.0	6.0	5.3
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)