

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: P506570

Luminaire Tested: **24PD-30-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506570
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-L930
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

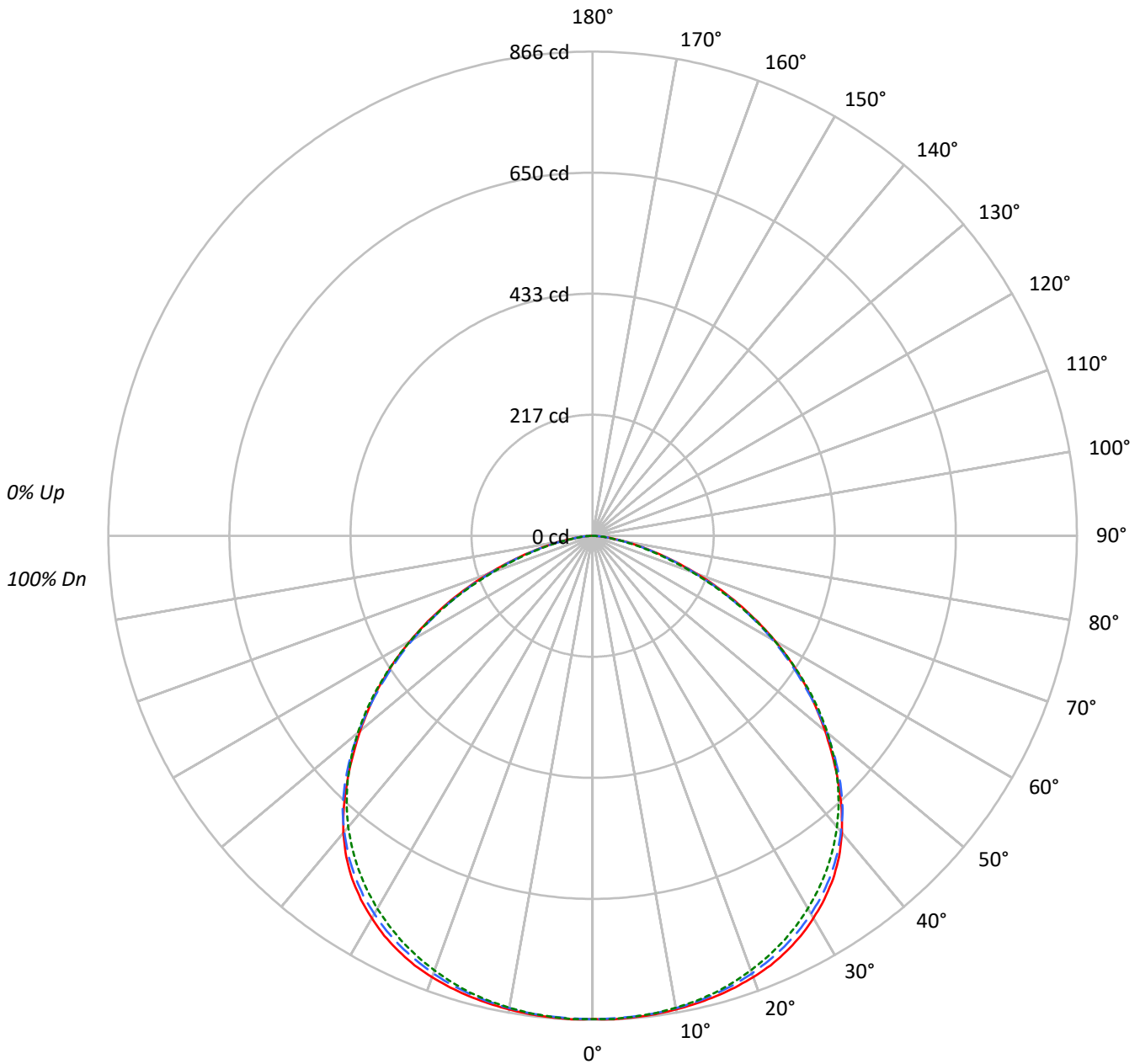
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2479.6 lumens
Efficiency: N/A
Efficacy: 116.4 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					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°	1163	1163	1163
5°	1167	1166	1166
10°	1176	1172	1171
15°	1188	1182	1178
20°	1203	1193	1184
25°	1218	1204	1192
30°	1227	1213	1196
35°	1231	1219	1199
40°	1218	1214	1194
45°	1181	1192	1179
50°	1135	1144	1147
55°	1086	1078	1094
60°	1016	999	1012
65°	914	896	895
70°	779	761	743
75°	613	599	574
80°	439	425	401
85°	259	256	238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	3.3
10°-20°	239.9	9.7
20°-30°	374.0	15.1
30°-40°	462.8	18.7
40°-50°	479.8	19.3
50°-60°	413.1	16.7
60°-70°	280.3	11.3
70°-80°	125.1	5.0
80°-90°	22.5	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°	696.2	28.1
0°-40°	1159.0	46.7
0°-60°	2051.8	82.7
0°-90°	2479.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2479.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	864	863	863	863	863	82
15°	853	850	848	847	846	241
25°	820	817	811	805	803	378
35°	750	748	742	734	730	468
45°	621	623	626	624	619	478
55°	463	463	459	465	466	413
65°	287	288	281	278	281	284
75°	118	119	115	113	110	128
85°	17	17	17	17	15	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	864.4	864.4	864.4	864.4	864.4
2.5°	865.6	863.7	863.9	864.2	865.1
5°	864.4	863.2	863.0	863.0	863.2
7.5°	863.0	861.5	861.3	861.1	861.1
10°	860.4	858.9	858.0	857.5	857.3
12.5°	856.8	855.2	854.0	853.0	852.3
15°	852.8	850.4	848.5	846.6	845.9
17.5°	847.1	845.0	841.7	838.6	837.4
20°	840.0	837.9	833.1	828.9	827.2
22.5°	831.7	828.6	822.7	818.0	815.6
25°	820.1	817.0	810.9	805.0	802.6
27.5°	806.6	803.8	797.2	790.1	787.2
30°	789.8	787.9	780.8	773.0	769.9
32.5°	771.1	769.2	763.1	754.3	750.8
35°	749.6	747.5	742.0	734.0	729.7
37.5°	724.0	723.3	718.1	709.8	705.8
40°	693.5	694.9	690.9	683.8	679.8
42.5°	658.7	661.8	661.8	655.2	651.1
45°	620.6	623.4	626.3	623.9	619.4
47.5°	581.5	584.6	587.9	588.9	585.1
50°	542.3	544.1	546.3	550.5	548.2
52.5°	503.2	503.9	503.2	508.9	508.4
55°	463.0	463.2	459.4	464.6	466.3
57.5°	421.1	421.8	415.6	418.5	422.0
60°	377.5	378.2	371.4	371.8	376.1
62.5°	332.5	333.5	326.6	325.0	328.8
65°	287.1	288.3	281.4	278.3	281.2
67.5°	241.9	243.3	236.9	233.1	233.8
70°	197.9	199.1	193.4	189.8	188.9
72.5°	156.0	157.2	152.7	149.1	147.5
75°	117.9	118.8	115.3	112.7	110.5
77.5°	84.7	85.4	82.6	80.7	78.6
80°	56.6	56.8	54.9	53.7	51.8
82.5°	33.8	34.1	32.9	32.4	31.0
85°	16.8	17.0	16.6	16.6	15.4
87.5°	5.9	5.7	5.9	5.9	5.2
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)