

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: P506218

Luminaire Tested: **22PD-30-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-30-PL1-L927
Description: 3000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

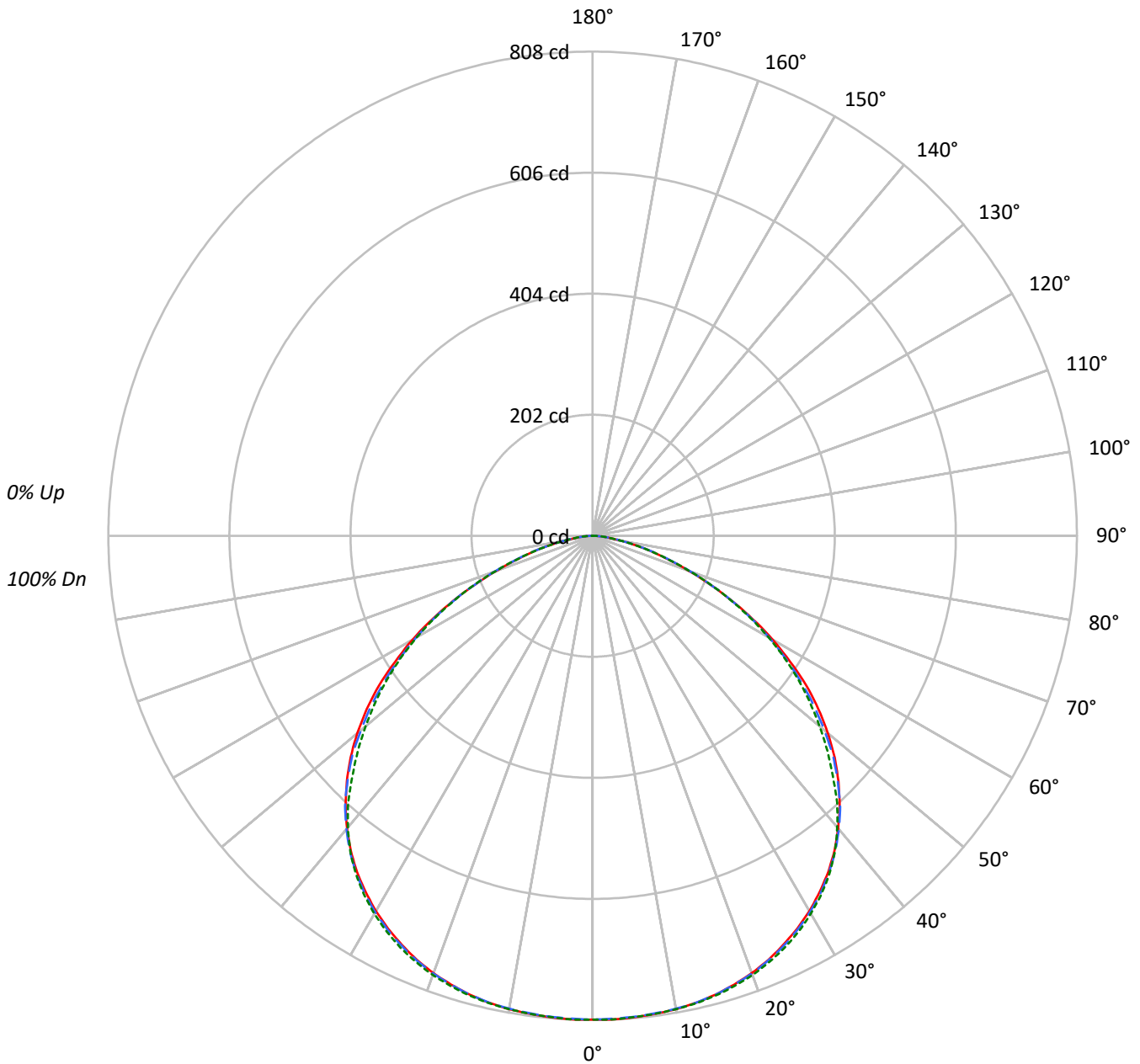
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2286.9 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2173	2173	2173
5°	2179	2176	2177
10°	2192	2190	2192
15°	2208	2208	2213
20°	2224	2227	2234
25°	2236	2241	2252
30°	2247	2254	2263
35°	2251	2258	2263
40°	2239	2245	2231
45°	2207	2200	2156
50°	2145	2111	2069
55°	2041	1989	1966
60°	1868	1833	1822
65°	1629	1626	1620
70°	1335	1358	1353
75°	1058	1076	1058
80°	775	772	767
85°	519	509	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	3.4
10°-20°	224.0	9.8
20°-30°	348.2	15.2
30°-40°	429.3	18.8
40°-50°	443.4	19.4
50°-60°	379.4	16.6
60°-70°	253.2	11.1
70°-80°	111.1	4.9
80°-90°	21.5	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°	649.0	28.4
0°-40°	1078.3	47.1
0°-60°	1901.1	83.1
0°-90°	2286.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2286.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	807	807	807	807	807	
5°	806	805	806	805	806	77
15°	793	792	793	793	794	224
25°	753	753	755	757	758	347
35°	685	685	687	689	689	428
45°	580	580	578	573	567	446
55°	435	430	424	422	419	387
65°	256	255	255	256	254	254
75°	102	101	104	103	102	110
85°	17	16	16	17	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	807.4	807.4	807.4	807.4	807.4
2.5°	808.0	806.8	806.5	806.5	808.0
5°	806.5	805.4	805.7	805.1	806.0
7.5°	804.5	803.4	803.7	803.4	804.5
10°	802.3	801.1	801.4	801.1	802.3
12.5°	798.3	797.4	798.0	798.3	799.1
15°	792.6	791.7	792.6	793.2	794.3
17.5°	785.2	784.6	785.5	786.3	787.8
20°	776.7	776.1	777.5	778.4	780.1
22.5°	766.2	765.6	767.0	769.0	770.1
25°	753.1	753.1	754.8	757.1	758.5
27.5°	739.2	738.9	740.9	743.1	744.6
30°	723.2	722.7	725.5	727.5	728.3
32.5°	704.8	705.0	707.6	709.6	709.9
35°	685.1	685.1	687.4	688.8	688.8
37.5°	662.7	662.4	664.7	665.2	664.4
40°	637.4	637.7	639.1	638.8	635.1
42.5°	610.1	610.4	611.5	607.5	603.8
45°	580.0	579.7	578.2	572.8	566.6
47.5°	547.8	546.4	544.1	535.9	531.3
50°	512.3	510.0	504.3	497.8	494.1
52.5°	474.8	470.8	465.1	460.0	456.9
55°	435.0	429.6	423.9	421.6	419.0
57.5°	390.6	387.2	382.4	381.2	379.5
60°	347.1	343.4	340.6	340.6	338.6
62.5°	301.6	299.4	298.2	298.8	296.8
65°	255.9	255.3	255.3	256.1	254.4
67.5°	211.5	212.6	212.4	215.2	212.9
70°	169.7	171.7	172.6	175.4	172.0
72.5°	133.6	133.9	135.0	135.9	134.2
75°	101.8	100.9	103.5	102.9	101.8
77.5°	73.6	73.1	73.9	74.5	73.1
80°	50.0	49.5	49.8	50.6	49.5
82.5°	31.6	31.0	31.0	31.8	31.6
85°	16.8	16.5	16.5	17.1	17.6
87.5°	6.0	5.7	6.0	6.0	6.0
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)