

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: P505867

Luminaire Tested: **14PD-30-PL1-L927**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PL1-L927
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

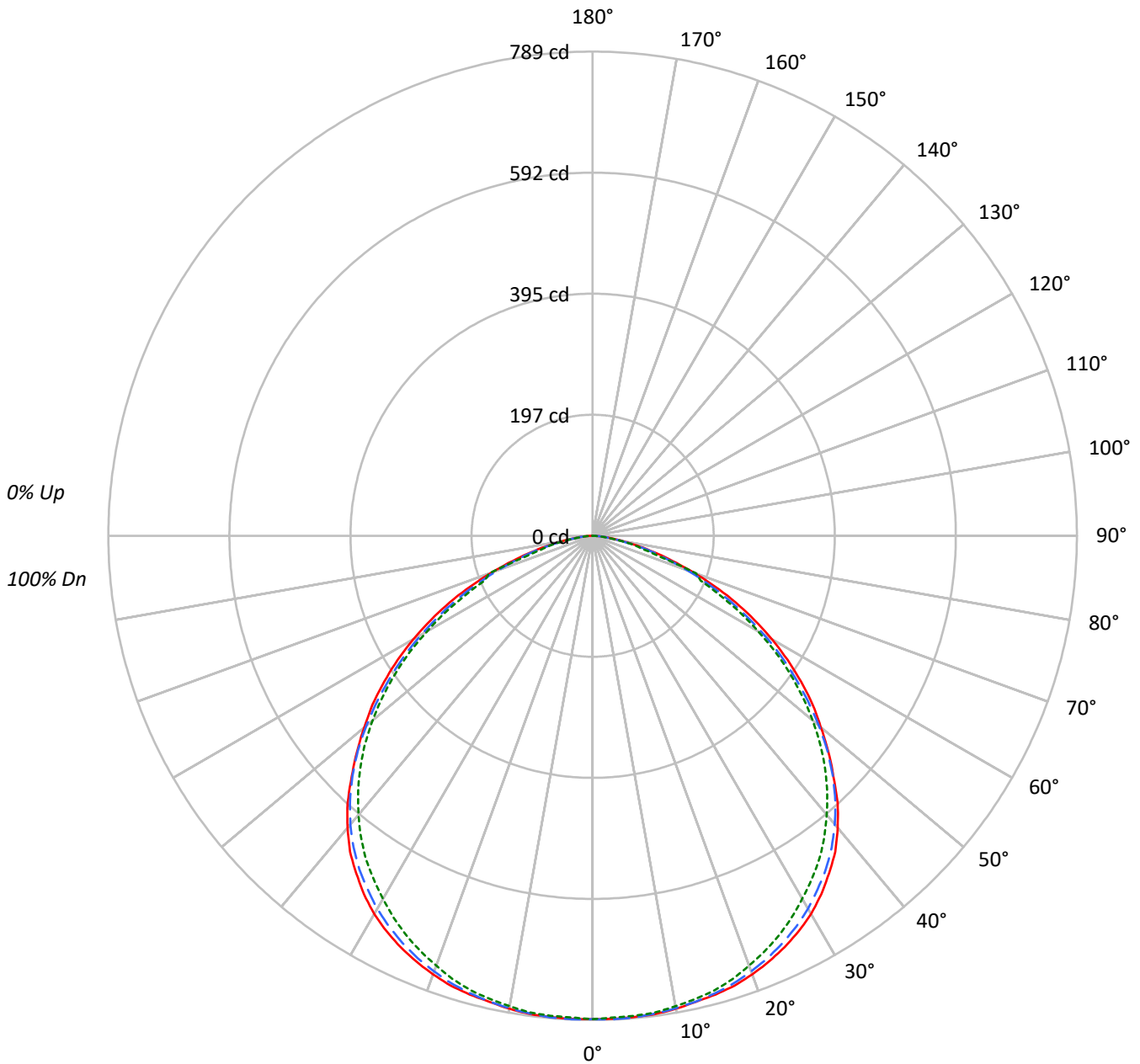
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2189.5 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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	98	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	78	84	79	76	81	77	74	72			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2120	2120	2120
5°	2127	2128	2121
10°	2138	2136	2127
15°	2156	2150	2137
20°	2178	2163	2135
25°	2197	2175	2134
30°	2211	2180	2123
35°	2206	2177	2115
40°	2182	2157	2085
45°	2112	2106	2038
50°	2032	2014	1960
55°	1944	1887	1845
60°	1816	1735	1676
65°	1636	1535	1452
70°	1368	1283	1409
75°	1079	1039	899
80°	778	691	704
85°	494	414	386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	3.4
10°-20°	217.7	9.9
20°-30°	336.6	15.4
30°-40°	412.0	18.8
40°-50°	422.4	19.3
50°-60°	359.7	16.4
60°-70°	240.4	11.0
70°-80°	106.5	4.9
80°-90°	19.3	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°	629.2	28.7
0°-40°	1041.2	47.6
0°-60°	1823.3	83.3
0°-90°	2189.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2189.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	787	786	788	787	785	75
15°	774	771	772	770	767	219
25°	740	737	732	723	719	341
35°	671	670	663	648	644	420
45°	555	557	553	541	536	428
55°	414	412	402	394	393	370
65°	257	255	241	230	228	253
75°	104	105	100	100	86	112
85°	16	16	13	13	12	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	787.8	787.8	787.8	787.8	787.8
2.5°	787.8	786.5	788.6	789.5	785.6
5°	787.3	785.6	787.8	787.3	785.2
7.5°	786.0	783.0	785.2	784.3	783.4
10°	782.6	780.0	781.7	780.4	778.3
12.5°	777.8	776.1	777.4	776.1	773.1
15°	773.9	771.3	771.8	769.6	767.0
17.5°	768.7	764.8	764.8	760.5	757.5
20°	760.5	757.1	755.3	749.3	745.4
22.5°	751.0	748.4	744.9	737.2	732.8
25°	739.8	737.2	732.4	722.9	718.6
27.5°	726.8	723.3	718.1	706.9	701.7
30°	711.6	707.3	701.7	689.1	683.1
32.5°	693.0	690.0	682.7	669.7	664.0
35°	671.4	669.7	662.8	648.0	643.7
37.5°	649.3	645.9	639.8	624.2	619.9
40°	621.2	619.1	613.9	598.7	593.5
42.5°	590.9	589.6	585.3	571.0	565.4
45°	555.0	556.8	553.3	540.8	535.6
47.5°	520.9	520.0	518.7	507.4	503.1
50°	485.4	483.7	481.1	472.0	468.1
52.5°	452.1	448.6	441.7	433.9	431.3
55°	414.4	412.3	402.3	394.1	393.2
57.5°	376.4	375.1	363.0	353.4	353.4
60°	337.4	335.7	322.3	312.3	311.5
62.5°	296.8	295.5	281.6	270.4	270.8
65°	257.0	254.8	241.0	230.1	228.0
67.5°	215.4	214.6	201.2	191.2	190.3
70°	173.9	173.9	163.1	154.4	179.1
72.5°	137.1	135.8	127.2	123.3	117.7
75°	103.8	105.1	99.9	100.4	86.5
77.5°	74.0	71.8	69.6	64.9	68.8
80°	50.2	48.9	44.6	43.3	45.4
82.5°	31.1	31.6	27.7	25.1	24.7
85°	16.0	15.6	13.4	13.0	12.5
87.5°	6.1	6.5	5.6	5.2	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)