

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: P505885

Luminaire Tested: **14PD-30-PW1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PW1-L927
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

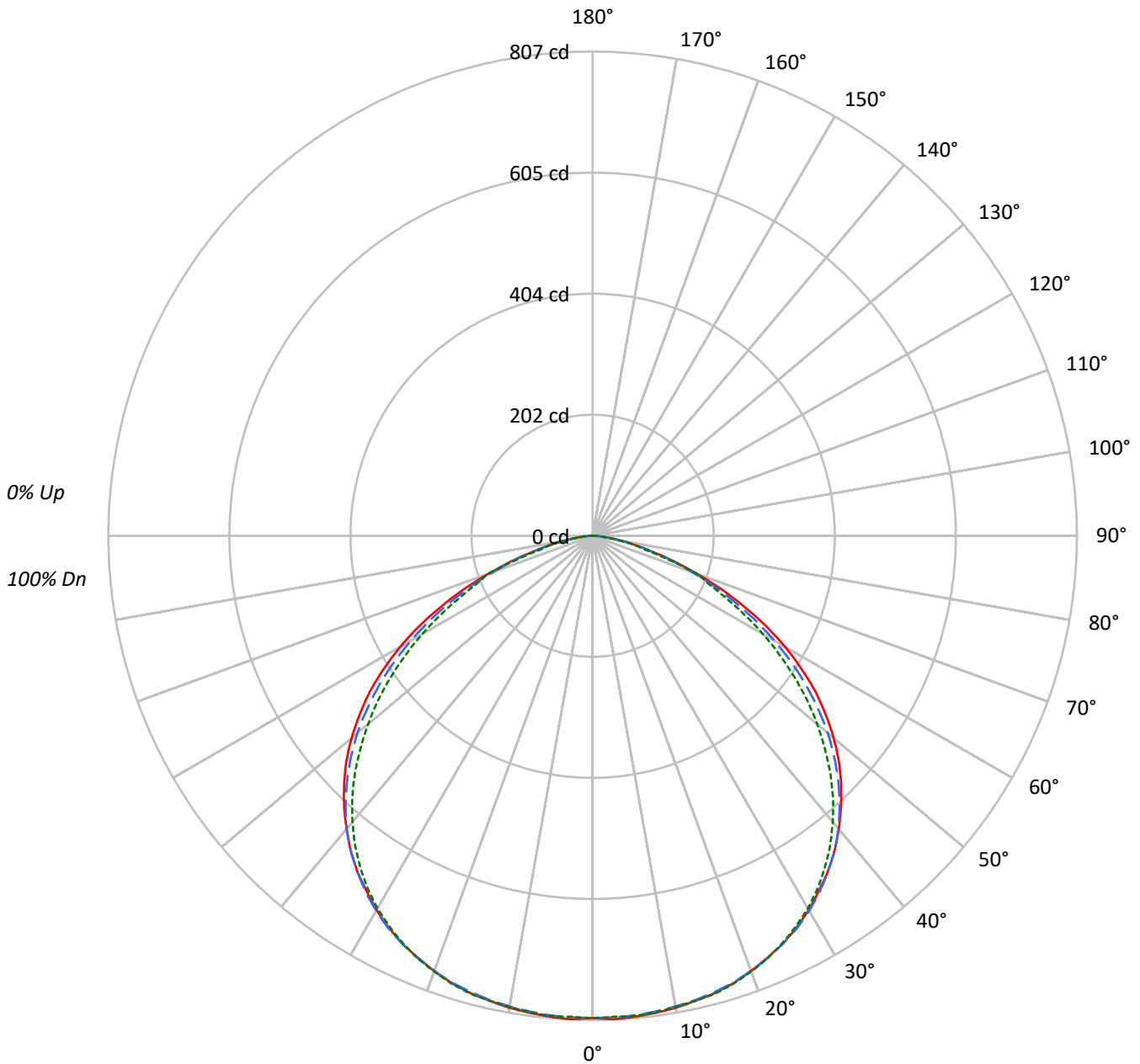
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2289.3 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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

TEST NUMBER: P505885
CATALOG NUMBER: 14PD-30-PW1-L927

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	83	79	76	80	77	74	72								
3	91	81	73	67	89	79	72	66	77	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	49	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	34	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	54	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°	2163	2163	2163
5°	2174	2168	2170
10°	2183	2177	2178
15°	2198	2193	2200
20°	2211	2210	2213
25°	2227	2227	2224
30°	2238	2242	2228
35°	2245	2245	2217
40°	2241	2239	2187
45°	2229	2203	2132
50°	2195	2142	2045
55°	2128	2038	1927
60°	1993	1883	1766
65°	1765	1664	1554
70°	1441	1376	1452
75°	1087	1068	959
80°	781	733	733
85°	491	463	408



TEST NUMBER: P505885

CATALOG NUMBER: 14PD-30-PW1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	3.3
10°-20°	222.5	9.7
20°-30°	345.4	15.1
30°-40°	425.4	18.6
40°-50°	442.9	19.3
50°-60°	385.2	16.8
60°-70°	258.8	11.3
70°-80°	112.0	4.9
80°-90°	20.6	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°	644.4	28.1
0°-40°	1069.8	46.7
0°-60°	1898.0	82.9
0°-90°	2289.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	805	800	802	804	803	77
15°	789	783	787	790	790	223
25°	750	747	750	750	749	346
35°	683	682	683	678	675	427
45°	586	584	579	566	560	451
55°	454	445	434	417	411	403
65°	277	272	261	249	244	275
75°	104	105	103	105	92	115
85°	16	16	15	13	13	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	803.8	803.8	803.8	803.8	803.8
2.5°	806.6	801.6	803.4	806.1	802.5
5°	804.8	799.8	802.5	804.3	803.4
7.5°	802.0	798.4	799.8	801.6	801.1
10°	798.8	795.2	796.6	798.4	797.0
12.5°	793.8	789.8	792.5	794.3	793.8
15°	788.8	783.4	787.0	789.8	789.8
17.5°	781.6	777.0	780.7	782.9	782.5
20°	772.0	768.9	771.6	773.4	772.9
22.5°	761.1	758.9	762.0	762.0	762.0
25°	750.2	746.6	750.2	750.2	748.9
27.5°	736.1	733.0	737.5	736.1	733.9
30°	720.2	718.4	721.6	719.3	717.1
32.5°	701.6	700.7	703.9	699.3	697.5
35°	683.4	681.6	683.4	677.5	674.8
37.5°	662.1	660.3	662.1	654.3	650.3
40°	638.0	636.6	637.5	627.5	622.5
42.5°	613.0	611.6	609.4	597.1	593.0
45°	585.7	583.9	578.9	565.7	560.3
47.5°	556.6	553.5	546.2	532.1	524.8
50°	524.4	519.8	511.7	496.2	488.5
52.5°	489.4	483.9	473.5	458.0	450.8
55°	453.5	445.3	434.4	417.1	410.8
57.5°	412.6	404.0	392.6	376.7	369.4
60°	370.3	361.7	349.9	335.4	328.1
62.5°	325.4	317.6	305.8	292.2	285.8
65°	277.2	272.2	261.3	249.0	244.0
67.5°	231.7	226.7	217.7	207.2	209.0
70°	183.1	182.7	174.9	167.7	184.5
72.5°	142.7	141.8	137.7	134.0	133.1
75°	104.5	105.4	102.7	105.0	92.2
77.5°	73.6	74.5	74.1	67.7	70.9
80°	50.4	50.4	47.3	45.0	47.3
82.5°	30.4	36.4	32.7	26.8	25.9
85°	15.9	16.4	15.0	13.2	13.2
87.5°	5.9	6.8	5.9	5.5	5.0
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)