

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: P505880

Luminaire Tested: **14PD-30-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PR1-L950
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

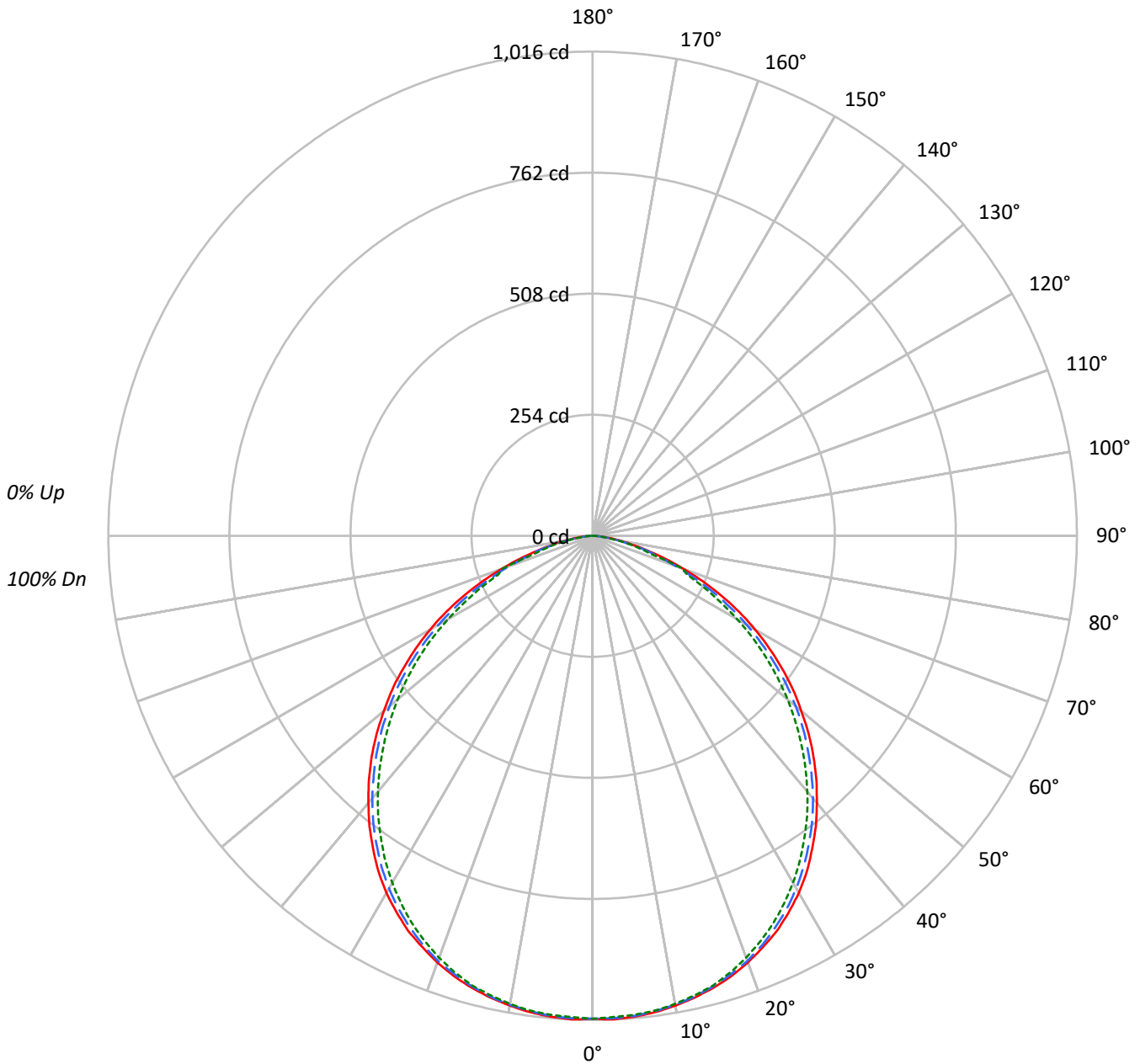
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
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: P505880
CATALOG NUMBER: 14PD-30-PR1-L950

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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2727	2727	2727
5°	2736	2732	2725
10°	2736	2731	2725
15°	2735	2727	2721
20°	2728	2718	2698
25°	2717	2693	2663
30°	2689	2655	2612
35°	2637	2597	2544
40°	2571	2527	2461
45°	2495	2434	2357
50°	2391	2328	2234
55°	2275	2185	2082
60°	2118	2007	1883
65°	1901	1768	1652
70°	1600	1457	1576
75°	1232	1184	1065
80°	886	793	755
85°	543	466	420



TEST NUMBER: P505880

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.7
10°-20°	276.0	10.6
20°-30°	416.8	16.0
30°-40°	493.2	18.9
40°-50°	491.7	18.9
50°-60°	415.4	15.9
60°-70°	276.8	10.6
70°-80°	120.2	4.6
80°-90°	21.8	0.8
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°	788.9	30.2
0°-40°	1282.0	49.2
0°-60°	2189.2	83.9
0°-90°	2608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1013	1009	1011	1010	1009	96
15°	982	977	979	977	977	277
25°	915	909	907	899	897	421
35°	803	797	790	780	774	502
45°	656	650	640	626	619	505
55°	485	481	466	451	444	433
65°	299	295	278	266	260	295
75°	118	116	114	110	102	129
85°	18	18	15	14	14	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1015.9	1011.4	1013.4	1013.4	1010.9
5°	1012.9	1008.9	1011.4	1010.4	1008.9
7.5°	1008.4	1004.4	1005.9	1005.4	1004.9
10°	1001.4	997.3	999.3	998.3	997.3
12.5°	992.3	988.3	990.3	988.8	987.8
15°	981.8	977.3	978.8	977.3	976.8
17.5°	968.7	964.2	964.7	962.7	960.7
20°	952.7	948.6	949.2	944.1	942.1
22.5°	934.1	930.1	929.6	923.1	920.5
25°	915.0	909.0	907.0	899.0	897.0
27.5°	890.9	885.4	882.4	873.9	869.8
30°	865.3	859.3	854.3	844.7	840.7
32.5°	836.2	830.2	823.7	813.6	809.1
35°	802.6	797.1	790.5	780.0	774.5
37.5°	769.0	762.9	756.4	743.9	739.3
40°	731.8	726.3	719.3	705.7	700.7
42.5°	694.7	688.1	679.6	666.6	661.0
45°	655.5	649.5	639.5	625.9	619.4
47.5°	614.4	609.3	598.8	584.2	577.2
50°	571.2	567.2	556.1	540.1	533.6
52.5°	530.0	524.5	512.0	495.9	488.9
55°	484.9	481.4	465.8	450.7	443.7
57.5°	439.7	435.2	419.6	404.6	398.0
60°	393.5	389.5	372.9	357.9	349.8
62.5°	346.8	342.3	324.7	311.2	303.7
65°	298.6	295.1	277.6	265.5	259.5
67.5°	250.5	248.0	229.4	219.3	214.8
70°	203.3	199.8	185.2	181.2	200.3
72.5°	159.6	155.1	142.5	136.0	131.0
75°	118.5	115.9	113.9	109.9	102.4
77.5°	83.3	82.8	75.8	70.3	75.8
80°	57.2	59.2	51.2	46.7	48.7
82.5°	35.1	39.2	30.6	27.1	26.1
85°	17.6	18.1	15.1	14.1	13.6
87.5°	6.5	7.5	6.5	5.5	5.5
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)