

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: P505904

Luminaire Tested: **14PD-35-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505904
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-35-PR1-L930
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

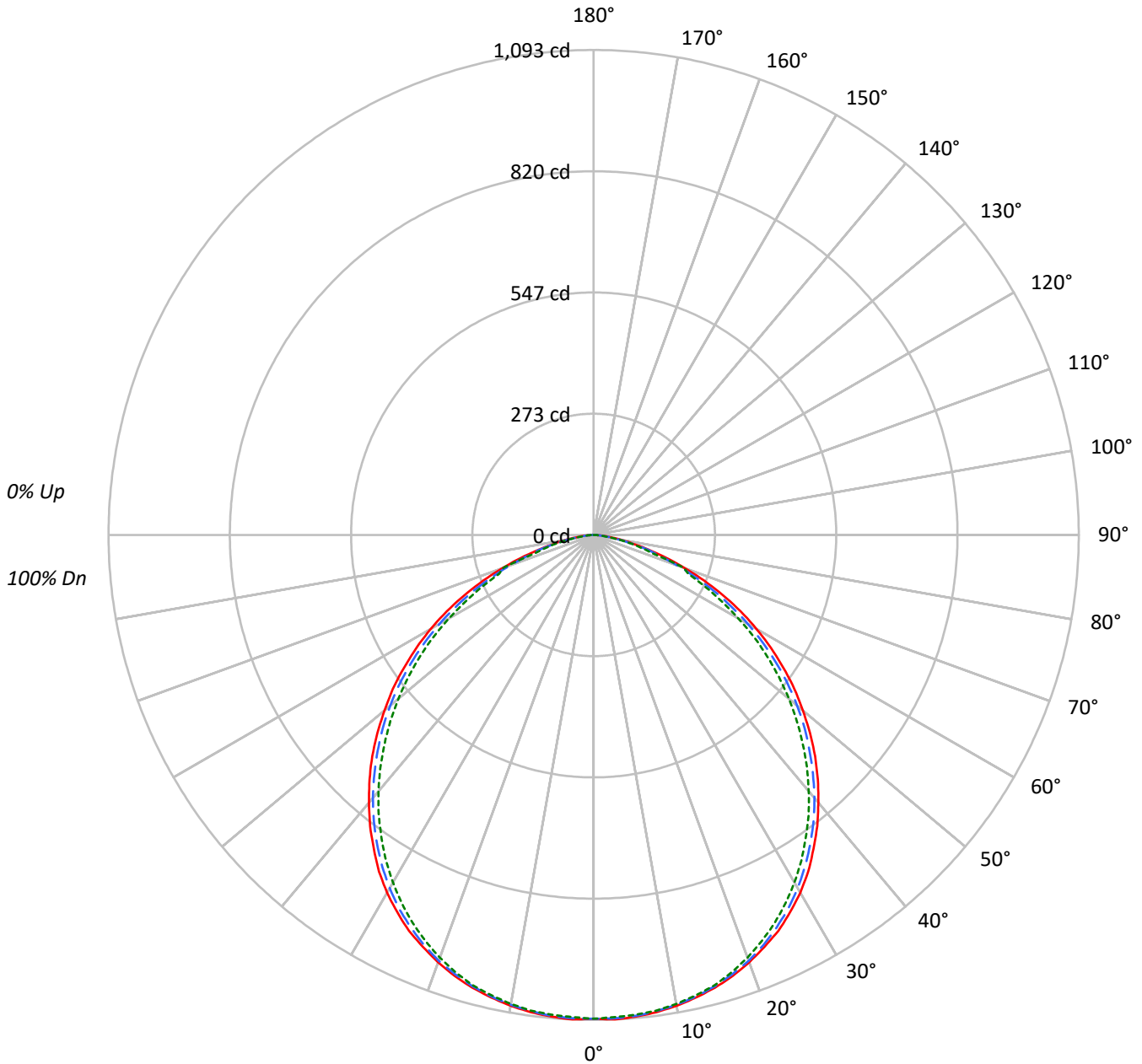
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2806.0 lumens
Efficiency: N/A
Efficacy: 88.2 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): 31.8
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	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°	2934	2934	2934
5°	2944	2940	2932
10°	2944	2938	2932
15°	2943	2934	2928
20°	2935	2924	2903
25°	2923	2897	2865
30°	2893	2856	2811
35°	2837	2794	2737
40°	2766	2719	2648
45°	2684	2618	2536
50°	2573	2505	2403
55°	2448	2351	2240
60°	2279	2159	2026
65°	2046	1901	1778
70°	1721	1568	1696
75°	1325	1275	1146
80°	955	854	812
85°	584	500	451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	3.7
10°-20°	296.9	10.6
20°-30°	448.5	16.0
30°-40°	530.6	18.9
40°-50°	529.0	18.9
50°-60°	447.0	15.9
60°-70°	297.8	10.6
70°-80°	129.4	4.6
80°-90°	23.5	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°	848.8	30.2
0°-40°	1379.4	49.2
0°-60°	2355.4	83.9
0°-90°	2806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1090	1086	1088	1087	1086	104
15°	1056	1052	1053	1052	1051	298
25°	984	978	976	967	965	453
35°	864	858	851	839	833	540
45°	705	699	688	673	666	543
55°	522	518	501	485	477	466
65°	321	318	299	286	279	318
75°	127	125	123	118	110	139
85°	19	19	16	15	15	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.3	1090.3	1090.3	1090.3	1090.3
2.5°	1093.0	1088.2	1090.3	1090.3	1087.6
5°	1089.8	1085.5	1088.2	1087.1	1085.5
7.5°	1084.9	1080.6	1082.2	1081.7	1081.2
10°	1077.4	1073.1	1075.2	1074.1	1073.1
12.5°	1067.7	1063.3	1065.5	1063.9	1062.8
15°	1056.3	1051.5	1053.1	1051.5	1050.9
17.5°	1042.3	1037.4	1038.0	1035.8	1033.6
20°	1025.0	1020.7	1021.2	1015.8	1013.7
22.5°	1005.0	1000.7	1000.1	993.1	990.4
25°	984.5	978.0	975.8	967.2	965.0
27.5°	958.6	952.6	949.4	940.2	935.9
30°	931.0	924.5	919.1	908.9	904.6
32.5°	899.7	893.2	886.2	875.4	870.5
35°	863.5	857.6	850.6	839.2	833.3
37.5°	827.3	820.9	813.8	800.3	795.5
40°	787.4	781.4	773.9	759.3	753.9
42.5°	747.4	740.4	731.2	717.2	711.2
45°	705.3	698.8	688.0	673.4	666.4
47.5°	661.0	655.6	644.3	628.6	621.0
50°	614.6	610.2	598.4	581.1	574.1
52.5°	570.3	564.3	550.8	533.6	526.0
55°	521.7	517.9	501.2	485.0	477.4
57.5°	473.1	468.2	451.5	435.3	428.2
60°	423.4	419.1	401.2	385.0	376.4
62.5°	373.2	368.3	349.4	334.8	326.7
65°	321.3	317.5	298.6	285.7	279.2
67.5°	269.5	266.8	246.8	236.0	231.1
70°	218.7	214.9	199.3	195.0	215.5
72.5°	171.7	166.9	153.4	146.4	140.9
75°	127.4	124.7	122.6	118.3	110.2
77.5°	89.6	89.1	81.5	75.6	81.5
80°	61.6	63.7	55.1	50.2	52.4
82.5°	37.8	42.1	32.9	29.2	28.1
85°	18.9	19.4	16.2	15.1	14.6
87.5°	7.0	8.1	7.0	5.9	5.9
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)