

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: P505824

Luminaire Tested: **14PD-20-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505824
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-20-PR1-L935
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

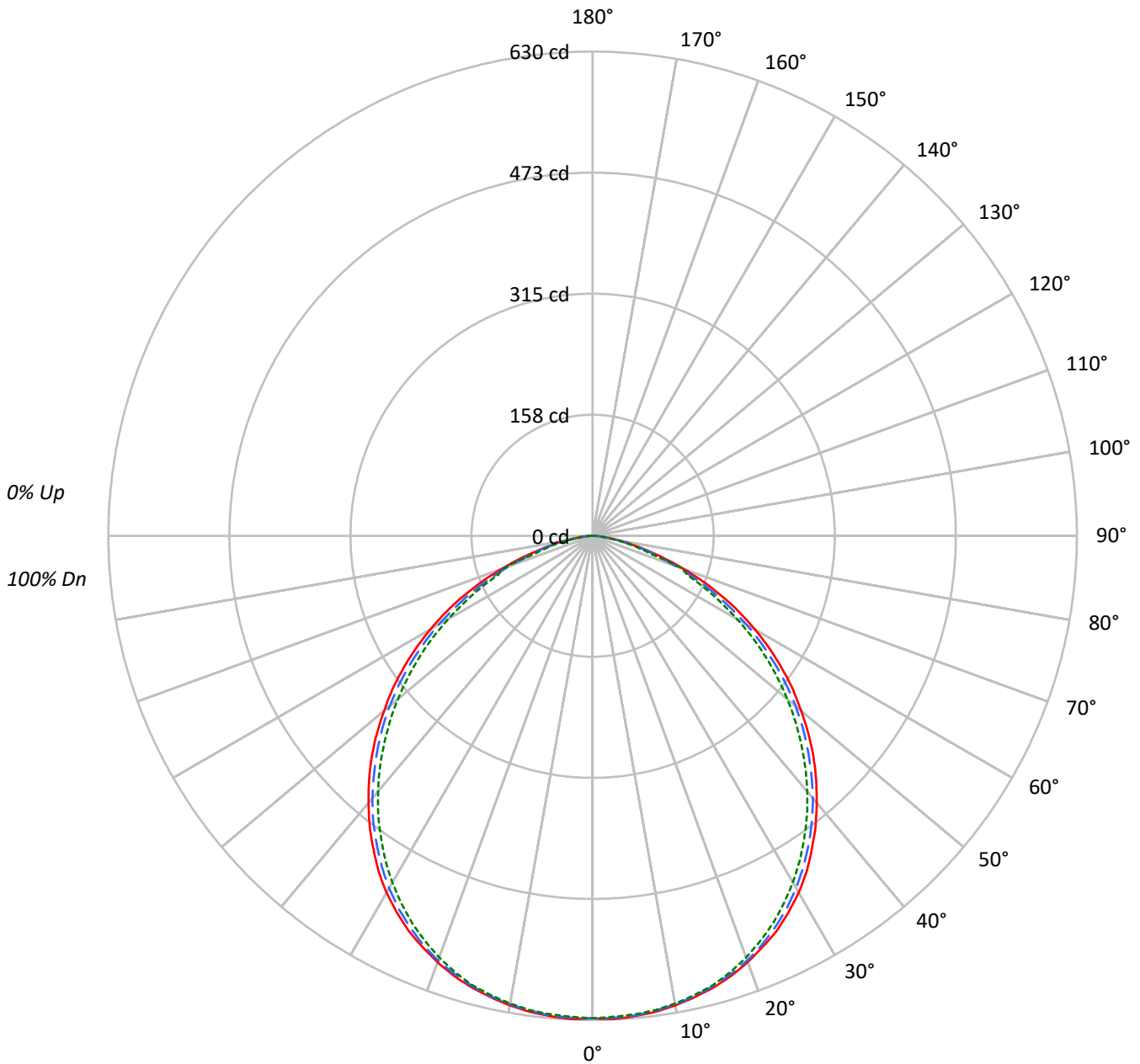
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1616.0 lumens
Efficiency: N/A
Efficacy: 92.9 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): 17.4
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			100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1690	1690	1690
5°	1695	1693	1689
10°	1696	1692	1689
15°	1695	1690	1686
20°	1690	1684	1672
25°	1684	1669	1650
30°	1666	1645	1619
35°	1634	1609	1577
40°	1593	1566	1525
45°	1546	1508	1461
50°	1482	1443	1384
55°	1409	1354	1290
60°	1312	1244	1167
65°	1179	1095	1024
70°	991	903	976
75°	763	734	659
80°	550	491	468
85°	337	287	259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	3.7
10°-20°	171.0	10.6
20°-30°	258.3	16.0
30°-40°	305.6	18.9
40°-50°	304.7	18.9
50°-60°	257.4	15.9
60°-70°	171.5	10.6
70°-80°	74.5	4.6
80°-90°	13.5	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°	488.8	30.2
0°-40°	794.4	49.2
0°-60°	1356.5	83.9
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	628	625	627	626	625	60
15°	608	606	606	606	605	172
25°	567	563	562	557	556	261
35°	497	494	490	483	480	311
45°	406	402	396	388	384	313
55°	300	298	289	279	275	268
65°	185	183	172	164	161	183
75°	73	72	71	68	63	80
85°	11	11	9	9	8	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	627.9	627.9	627.9	627.9	627.9
2.5°	629.5	626.7	627.9	627.9	626.4
5°	627.6	625.1	626.7	626.1	625.1
7.5°	624.8	622.3	623.3	623.0	622.6
10°	620.5	618.0	619.2	618.6	618.0
12.5°	614.9	612.4	613.6	612.7	612.1
15°	608.3	605.5	606.5	605.5	605.2
17.5°	600.3	597.5	597.8	596.5	595.3
20°	590.3	587.8	588.1	585.0	583.8
22.5°	578.8	576.3	576.0	572.0	570.4
25°	567.0	563.2	562.0	557.0	555.8
27.5°	552.0	548.6	546.8	541.5	539.0
30°	536.2	532.5	529.3	523.4	520.9
32.5°	518.1	514.4	510.4	504.2	501.4
35°	497.3	493.9	489.8	483.3	479.9
37.5°	476.5	472.7	468.7	460.9	458.1
40°	453.5	450.0	445.7	437.3	434.2
42.5°	430.4	426.4	421.1	413.0	409.6
45°	406.2	402.4	396.2	387.8	383.8
47.5°	380.7	377.6	371.0	362.0	357.7
50°	353.9	351.4	344.6	334.6	330.6
52.5°	328.4	325.0	317.2	307.3	302.9
55°	300.4	298.3	288.6	279.3	274.9
57.5°	272.4	269.6	260.0	250.7	246.6
60°	243.8	241.3	231.1	221.8	216.8
62.5°	214.9	212.1	201.2	192.8	188.2
65°	185.1	182.9	172.0	164.5	160.8
67.5°	155.2	153.6	142.1	135.9	133.1
70°	126.0	123.8	114.8	112.3	124.1
72.5°	98.9	96.1	88.3	84.3	81.2
75°	73.4	71.8	70.6	68.1	63.4
77.5°	51.6	51.3	47.0	43.5	47.0
80°	35.5	36.7	31.7	28.9	30.2
82.5°	21.8	24.3	19.0	16.8	16.2
85°	10.9	11.2	9.3	8.7	8.4
87.5°	4.0	4.7	4.0	3.4	3.4
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)