

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: P505822

Luminaire Tested: **14PD-20-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505822
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-L927
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

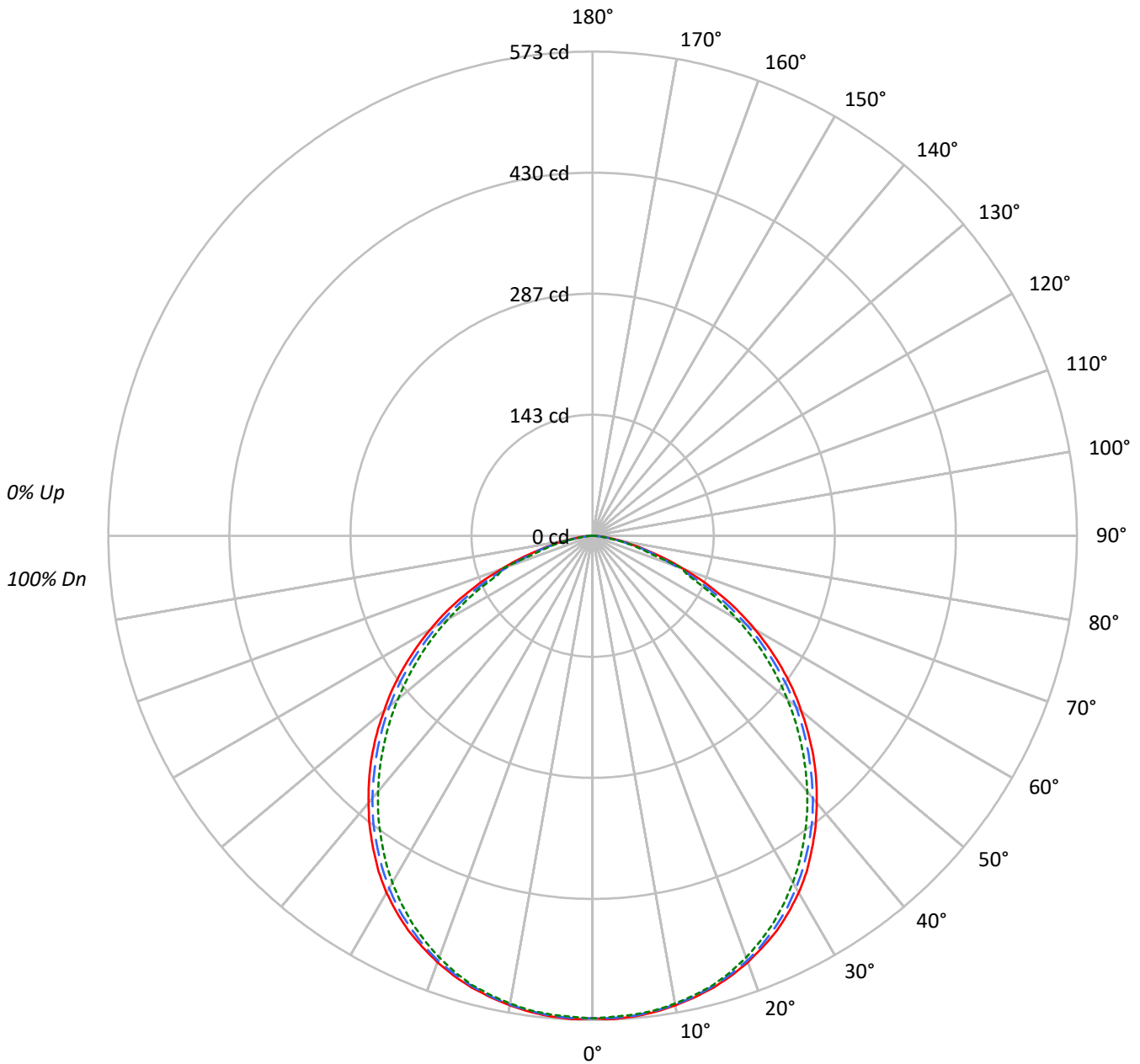
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1470.0 lumens
Efficiency: N/A
Efficacy: 84.5 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°	1537	1537	1537
5°	1542	1540	1536
10°	1542	1539	1536
15°	1542	1537	1534
20°	1538	1532	1521
25°	1531	1518	1501
30°	1515	1496	1473
35°	1486	1464	1434
40°	1449	1424	1387
45°	1406	1372	1329
50°	1348	1312	1259
55°	1282	1232	1173
60°	1194	1131	1061
65°	1072	996	932
70°	902	821	888
75°	695	667	600
80°	501	448	425
85°	306	262	235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	3.7
10°-20°	155.5	10.6
20°-30°	235.0	16.0
30°-40°	278.0	18.9
40°-50°	277.2	18.9
50°-60°	234.1	15.9
60°-70°	156.0	10.6
70°-80°	67.8	4.6
80°-90°	12.3	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°	444.7	30.2
0°-40°	722.6	49.2
0°-60°	1233.9	83.9
0°-90°	1470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	571	571	571	571	571	
5°	571	569	570	570	569	54
15°	553	551	552	551	550	156
25°	516	512	511	507	506	237
35°	452	449	446	440	436	283
45°	370	366	360	353	349	285
55°	273	271	262	254	250	244
65°	168	166	156	150	146	166
75°	67	65	64	62	58	73
85°	10	10	8	8	8	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	571.2	571.2	571.2	571.2	571.2
2.5°	572.6	570.1	571.2	571.2	569.8
5°	570.9	568.7	570.1	569.5	568.7
7.5°	568.4	566.1	567.0	566.7	566.4
10°	564.4	562.1	563.3	562.7	562.1
12.5°	559.3	557.1	558.2	557.3	556.8
15°	553.4	550.8	551.7	550.8	550.5
17.5°	546.0	543.5	543.8	542.6	541.5
20°	537.0	534.7	535.0	532.2	531.0
22.5°	526.5	524.2	524.0	520.3	518.9
25°	515.8	512.4	511.2	506.7	505.6
27.5°	502.2	499.1	497.4	492.6	490.3
30°	487.7	484.3	481.5	476.1	473.9
32.5°	471.3	467.9	464.3	458.6	456.1
35°	452.4	449.3	445.6	439.6	436.5
37.5°	433.4	430.0	426.4	419.3	416.7
40°	412.5	409.4	405.4	397.8	394.9
42.5°	391.6	387.9	383.1	375.7	372.6
45°	369.5	366.1	360.4	352.8	349.1
47.5°	346.3	343.5	337.5	329.3	325.4
50°	322.0	319.7	313.5	304.4	300.7
52.5°	298.8	295.6	288.6	279.5	275.6
55°	273.3	271.3	262.5	254.1	250.1
57.5°	247.8	245.3	236.5	228.0	224.4
60°	221.8	219.5	210.2	201.7	197.2
62.5°	195.5	192.9	183.0	175.4	171.2
65°	168.3	166.4	156.5	149.7	146.3
67.5°	141.2	139.8	129.3	123.6	121.1
70°	114.6	112.6	104.4	102.1	112.9
72.5°	90.0	87.4	80.3	76.7	73.8
75°	66.8	65.4	64.2	62.0	57.7
77.5°	47.0	46.7	42.7	39.6	42.7
80°	32.3	33.4	28.9	26.3	27.4
82.5°	19.8	22.1	17.3	15.3	14.7
85°	9.9	10.2	8.5	7.9	7.6
87.5°	3.7	4.2	3.7	3.1	3.1
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)