

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: P505834

Luminaire Tested: **14PD-20-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505834
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-20-PW1-L940
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

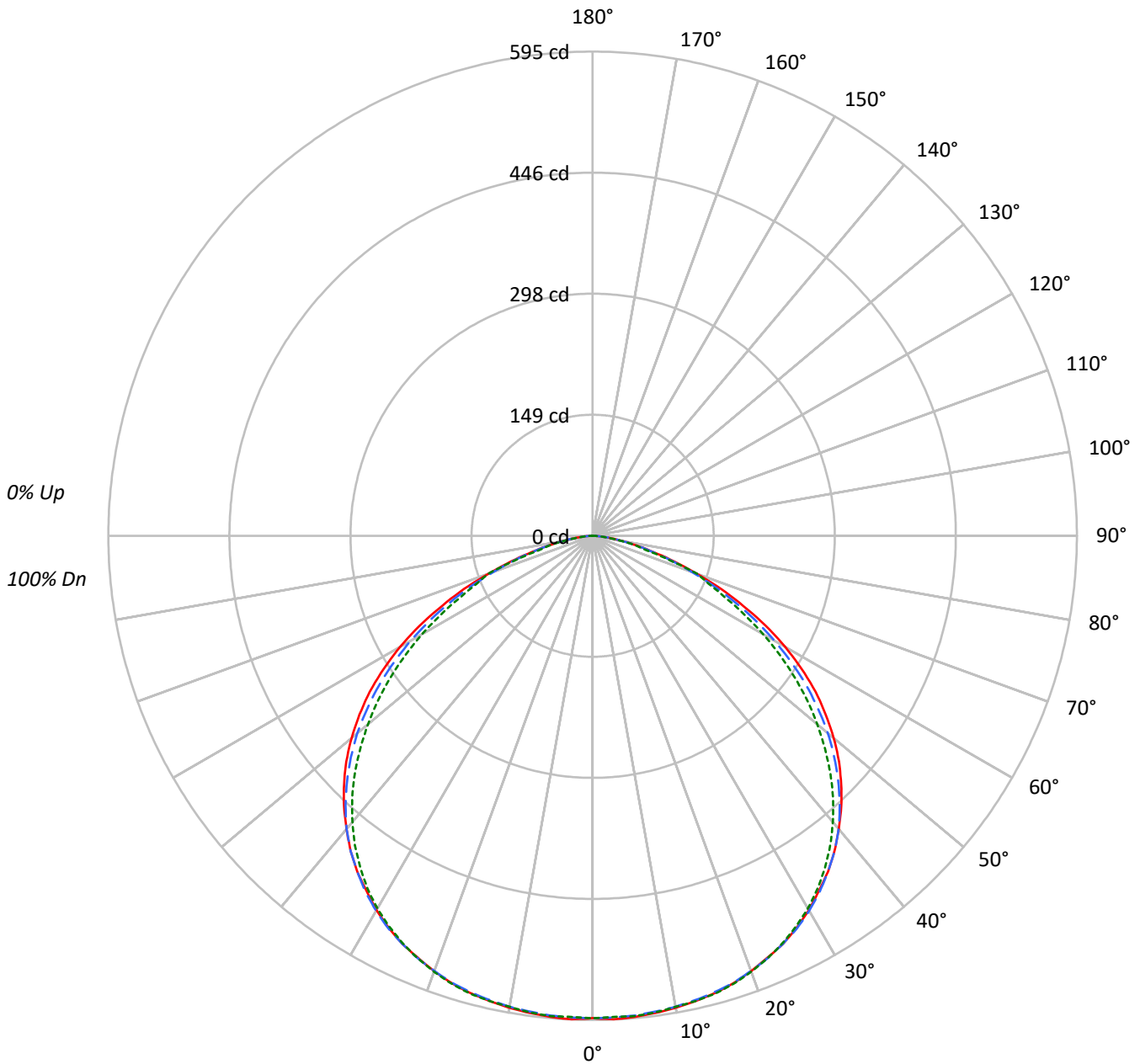
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1688.3 lumens
Efficiency: N/A
Efficacy: 97.0 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): 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				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	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72				72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1595	1595	1595
5°	1603	1599	1600
10°	1610	1605	1606
15°	1621	1617	1623
20°	1631	1629	1632
25°	1643	1643	1640
30°	1651	1654	1643
35°	1656	1656	1635
40°	1653	1652	1613
45°	1644	1625	1572
50°	1619	1580	1508
55°	1569	1503	1421
60°	1470	1389	1302
65°	1301	1227	1146
70°	1063	1015	1071
75°	802	787	707
80°	576	541	541
85°	361	343	299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	3.3
10°-20°	164.1	9.7
20°-30°	254.7	15.1
30°-40°	313.8	18.6
40°-50°	326.7	19.3
50°-60°	284.1	16.8
60°-70°	190.8	11.3
70°-80°	82.6	4.9
80°-90°	15.2	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°	475.2	28.1
0°-40°	789.0	46.7
0°-60°	1399.7	82.9
0°-90°	1688.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	593	593	593	593	593	
5°	594	590	592	593	592	57
15°	582	578	580	582	582	164
25°	553	551	553	553	552	255
35°	504	503	504	500	498	315
45°	432	431	427	417	413	333
55°	334	328	320	308	303	297
65°	204	201	193	184	180	202
75°	77	78	76	77	68	85
85°	12	12	11	10	10	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	592.8	592.8	592.8	592.8	592.8
2.5°	594.8	591.1	592.5	594.5	591.8
5°	593.5	589.8	591.8	593.2	592.5
7.5°	591.5	588.8	589.8	591.1	590.8
10°	589.1	586.5	587.5	588.8	587.8
12.5°	585.5	582.4	584.4	585.8	585.5
15°	581.8	577.7	580.4	582.4	582.4
17.5°	576.4	573.1	575.7	577.4	577.1
20°	569.4	567.0	569.0	570.4	570.0
22.5°	561.3	559.6	562.0	562.0	562.0
25°	553.3	550.6	553.3	553.3	552.3
27.5°	542.9	540.5	543.9	542.9	541.2
30°	531.2	529.8	532.2	530.5	528.8
32.5°	517.4	516.8	519.1	515.7	514.4
35°	504.0	502.7	504.0	499.7	497.7
37.5°	488.3	486.9	488.3	482.6	479.6
40°	470.5	469.5	470.2	462.8	459.1
42.5°	452.1	451.1	449.4	440.3	437.3
45°	432.0	430.6	426.9	417.2	413.2
47.5°	410.5	408.2	402.8	392.4	387.1
50°	386.7	383.4	377.3	365.9	360.3
52.5°	360.9	356.9	349.2	337.8	332.4
55°	334.4	328.4	320.4	307.6	302.9
57.5°	304.3	297.9	289.5	277.8	272.5
60°	273.1	266.8	258.0	247.3	242.0
62.5°	239.9	234.2	225.5	215.5	210.8
65°	204.4	200.7	192.7	183.6	180.0
67.5°	170.9	167.2	160.5	152.8	154.2
70°	135.1	134.7	129.0	123.7	136.1
72.5°	105.2	104.6	101.5	98.9	98.2
75°	77.1	77.7	75.7	77.4	68.0
77.5°	54.3	55.0	54.6	49.9	52.3
80°	37.2	37.2	34.9	33.2	34.9
82.5°	22.5	26.8	24.1	19.8	19.1
85°	11.7	12.1	11.1	9.7	9.7
87.5°	4.4	5.0	4.4	4.0	3.7
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)