

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: P505815

Luminaire Tested: **14PD-20-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PL1-L935
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

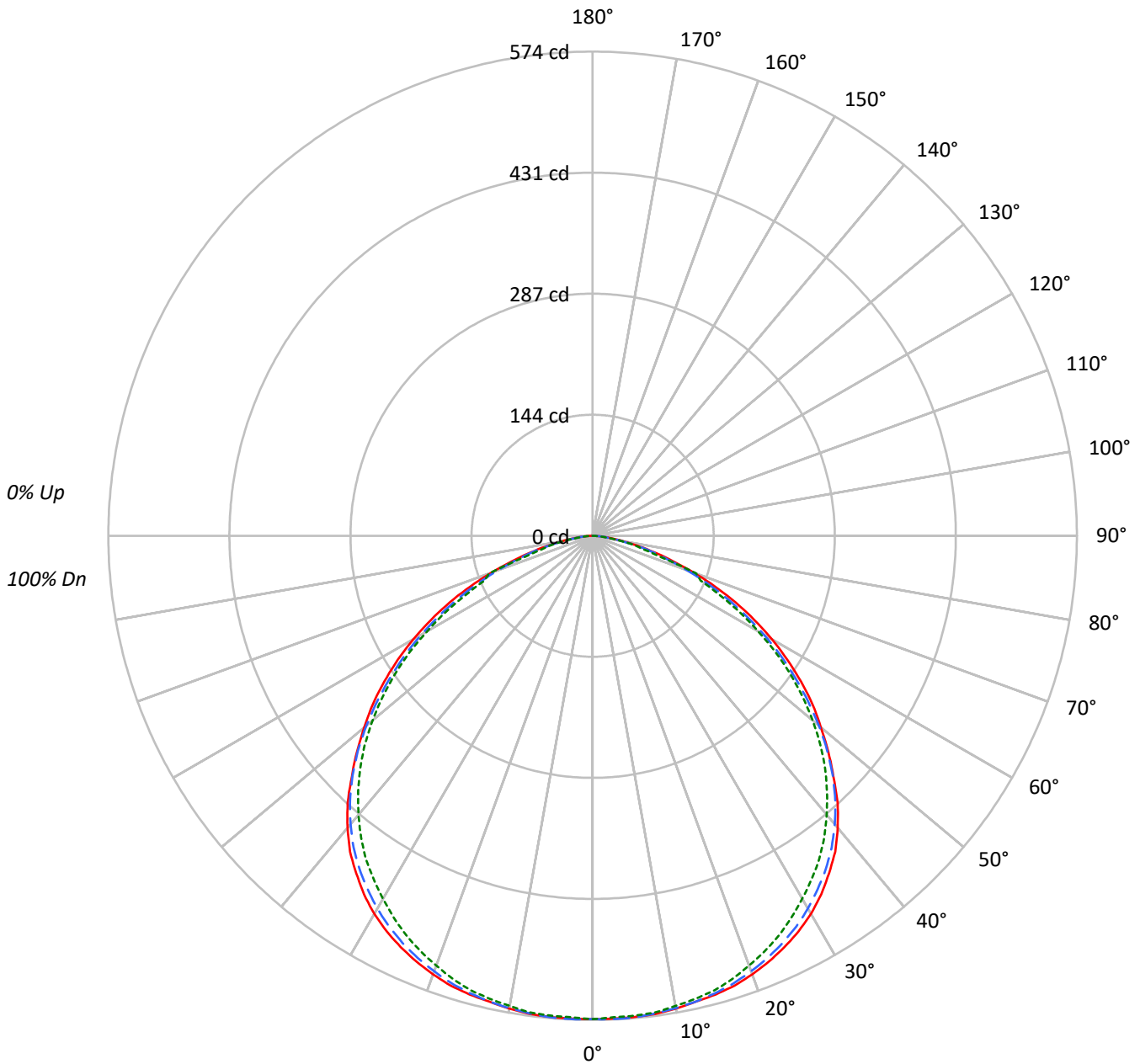
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1592.6 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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								
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61								
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52								
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35								
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31								
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1542	1542	1542
5°	1547	1548	1543
10°	1555	1554	1547
15°	1568	1564	1554
20°	1584	1573	1553
25°	1598	1582	1552
30°	1608	1586	1544
35°	1604	1584	1538
40°	1587	1568	1516
45°	1536	1532	1483
50°	1478	1465	1425
55°	1415	1373	1342
60°	1321	1262	1220
65°	1190	1116	1056
70°	995	933	1025
75°	785	756	654
80°	566	502	511
85°	358	303	281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	3.4
10°-20°	158.4	9.9
20°-30°	244.9	15.4
30°-40°	299.7	18.8
40°-50°	307.2	19.3
50°-60°	261.7	16.4
60°-70°	174.9	11.0
70°-80°	77.5	4.9
80°-90°	14.0	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°	457.7	28.7
0°-40°	757.4	47.6
0°-60°	1326.2	83.3
0°-90°	1592.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1592.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	573	573	573	573	573	
5°	573	571	573	573	571	55
15°	563	561	561	560	558	159
25°	538	536	533	526	523	248
35°	488	487	482	471	468	305
45°	404	405	402	393	390	312
55°	302	300	293	287	286	269
65°	187	185	175	167	166	184
75°	76	76	73	73	63	82
85°	12	11	10	9	9	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	573.0	573.0	573.0	573.0	573.0
2.5°	573.0	572.1	573.7	574.3	571.4
5°	572.7	571.4	573.0	572.7	571.1
7.5°	571.8	569.6	571.1	570.5	569.9
10°	569.2	567.4	568.6	567.7	566.1
12.5°	565.8	564.5	565.5	564.5	562.3
15°	563.0	561.1	561.4	559.8	557.9
17.5°	559.2	556.3	556.3	553.2	551.0
20°	553.2	550.7	549.4	545.0	542.2
22.5°	546.3	544.4	541.9	536.2	533.1
25°	538.1	536.2	532.7	525.8	522.7
27.5°	528.7	526.1	522.4	514.2	510.4
30°	517.6	514.5	510.4	501.3	496.9
32.5°	504.1	501.9	496.6	487.1	483.0
35°	488.4	487.1	482.1	471.4	468.2
37.5°	472.3	469.8	465.4	454.1	450.9
40°	451.9	450.3	446.5	435.5	431.7
42.5°	429.8	428.9	425.8	415.4	411.3
45°	403.7	405.0	402.5	393.3	389.6
47.5°	378.9	378.2	377.3	369.1	366.0
50°	353.1	351.8	349.9	343.3	340.5
52.5°	328.8	326.3	321.3	315.6	313.7
55°	301.5	299.9	292.6	286.7	286.0
57.5°	273.8	272.8	264.0	257.1	257.1
60°	245.4	244.2	234.4	227.2	226.6
62.5°	215.9	214.9	204.9	196.7	197.0
65°	186.9	185.3	175.3	167.4	165.8
67.5°	156.7	156.1	146.3	139.1	138.5
70°	126.5	126.5	118.6	112.3	130.3
72.5°	99.8	98.8	92.5	89.7	85.6
75°	75.5	76.5	72.7	73.0	62.9
77.5°	53.8	52.2	50.7	47.2	50.0
80°	36.5	35.6	32.4	31.5	33.0
82.5°	22.7	23.0	20.1	18.3	17.9
85°	11.6	11.3	9.8	9.4	9.1
87.5°	4.4	4.7	4.1	3.8	3.5
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)