

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: P505816

Luminaire Tested: **14PD-20-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505816
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-L940
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

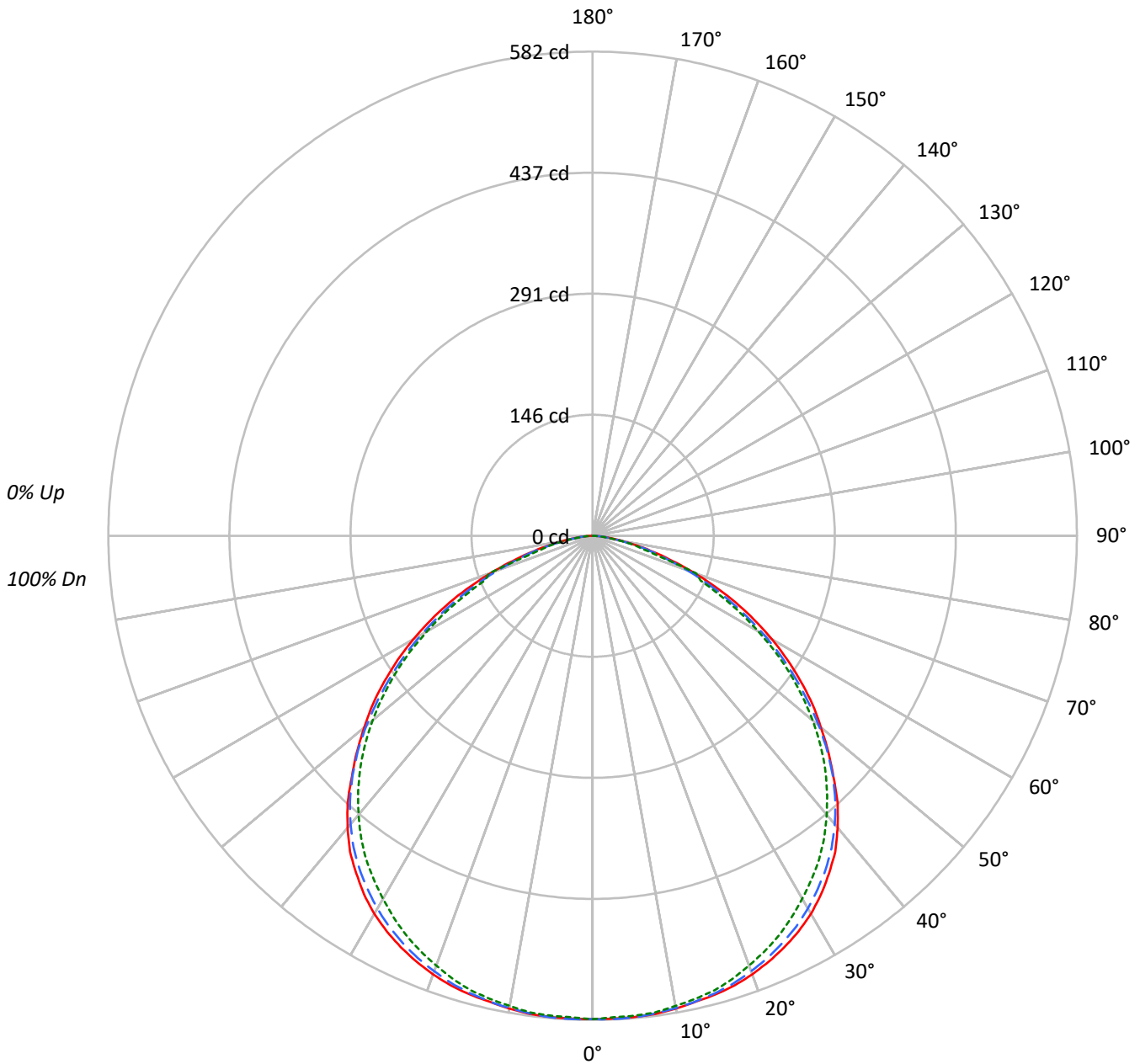
Lumens per Lamp: N/A
Luminaire Lumens: 1614.7 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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									
RC	80									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°	1563	1563	1563
5°	1569	1569	1564
10°	1577	1575	1568
15°	1590	1586	1576
20°	1606	1595	1574
25°	1620	1604	1573
30°	1631	1608	1565
35°	1627	1606	1559
40°	1609	1590	1538
45°	1558	1553	1503
50°	1499	1485	1445
55°	1434	1392	1361
60°	1340	1279	1236
65°	1207	1131	1070
70°	1009	947	1039
75°	796	766	663
80°	573	510	519
85°	364	306	287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	3.4
10°-20°	160.6	9.9
20°-30°	248.2	15.4
30°-40°	303.8	18.8
40°-50°	311.5	19.3
50°-60°	265.3	16.4
60°-70°	177.3	11.0
70°-80°	78.6	4.9
80°-90°	14.2	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°	464.0	28.7
0°-40°	767.9	47.6
0°-60°	1344.7	83.3
0°-90°	1614.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	581	581	581	581	581	
5°	581	579	581	581	579	55
15°	571	569	569	568	566	161
25°	546	544	540	533	530	252
35°	495	494	489	478	475	310
45°	409	411	408	399	395	316
55°	306	304	297	291	290	273
65°	190	188	178	170	168	187
75°	77	78	74	74	64	83
85°	12	12	10	10	9	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	581.0	581.0	581.0	581.0	581.0
2.5°	581.0	580.0	581.6	582.3	579.4
5°	580.7	579.4	581.0	580.7	579.1
7.5°	579.7	577.5	579.1	578.4	577.8
10°	577.1	575.2	576.5	575.6	574.0
12.5°	573.6	572.4	573.3	572.4	570.1
15°	570.8	568.9	569.2	567.6	565.7
17.5°	566.9	564.1	564.1	560.9	558.6
20°	560.9	558.3	557.0	552.6	549.7
22.5°	553.9	551.9	549.4	543.6	540.5
25°	545.6	543.6	540.1	533.1	529.9
27.5°	536.0	533.4	529.6	521.3	517.5
30°	524.8	521.6	517.5	508.2	503.8
32.5°	511.1	508.9	503.4	493.9	489.7
35°	495.2	493.9	488.8	477.9	474.7
37.5°	478.9	476.3	471.9	460.4	457.2
40°	458.1	456.5	452.7	441.6	437.7
42.5°	435.8	434.9	431.7	421.1	417.0
45°	409.3	410.6	408.1	398.8	395.0
47.5°	384.1	383.5	382.5	374.2	371.0
50°	358.0	356.7	354.8	348.1	345.2
52.5°	333.4	330.8	325.7	320.0	318.1
55°	305.6	304.0	296.7	290.6	290.0
57.5°	277.6	276.6	267.7	260.7	260.7
60°	248.9	247.6	237.7	230.3	229.7
62.5°	218.9	217.9	207.7	199.4	199.7
65°	189.5	187.9	177.7	169.7	168.1
67.5°	158.9	158.2	148.4	141.0	140.4
70°	128.3	128.3	120.3	113.9	132.1
72.5°	101.1	100.2	93.8	90.9	86.8
75°	76.6	77.5	73.7	74.0	63.8
77.5°	54.6	53.0	51.4	47.9	50.7
80°	37.0	36.1	32.9	31.9	33.5
82.5°	23.0	23.3	20.4	18.5	18.2
85°	11.8	11.5	9.9	9.6	9.3
87.5°	4.5	4.8	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)