

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: P505825

Luminaire Tested: **14PD-20-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505825
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-L940
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

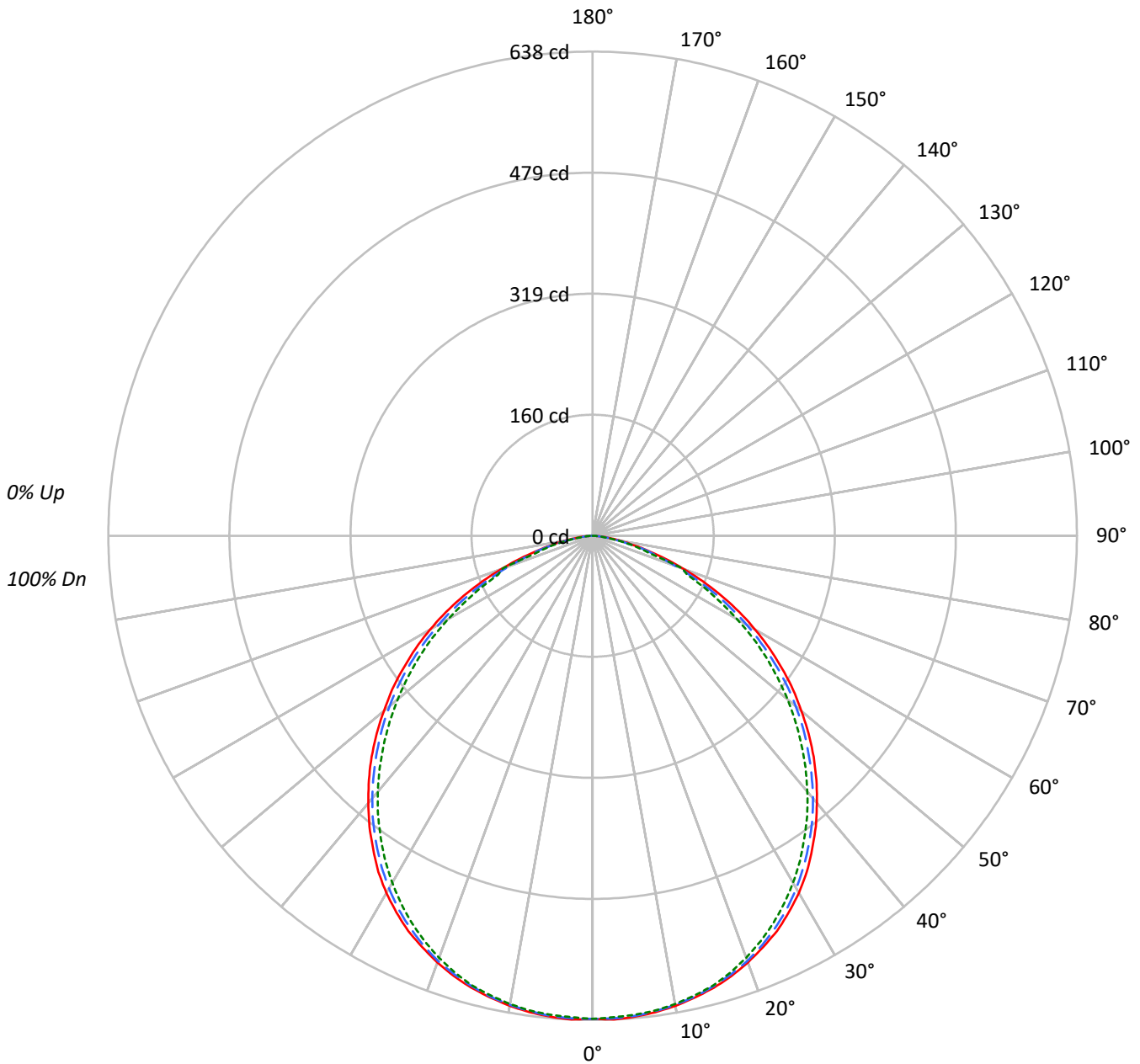
Lumens per Lamp: N/A
Luminaire Lumens: 1638.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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									
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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1713	1713	1713
5°	1719	1716	1712
10°	1718	1715	1712
15°	1718	1712	1709
20°	1713	1707	1694
25°	1706	1692	1673
30°	1689	1667	1641
35°	1656	1631	1598
40°	1614	1587	1546
45°	1567	1528	1480
50°	1502	1462	1403
55°	1429	1372	1308
60°	1330	1260	1182
65°	1195	1110	1038
70°	1005	915	990
75°	774	744	669
80°	556	499	474
85°	340	293	262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	3.7
10°-20°	173.3	10.6
20°-30°	261.8	16.0
30°-40°	309.7	18.9
40°-50°	308.8	18.9
50°-60°	260.9	15.9
60°-70°	173.8	10.6
70°-80°	75.5	4.6
80°-90°	13.7	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°	495.5	30.2
0°-40°	805.2	49.2
0°-60°	1374.9	83.9
0°-90°	1638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	636	634	635	635	634	60
15°	617	614	615	614	614	174
25°	575	571	570	565	563	264
35°	504	501	496	490	486	315
45°	412	408	402	393	389	317
55°	304	302	292	283	279	272
65°	188	185	174	167	163	185
75°	74	73	72	69	64	81
85°	11	11	10	9	8	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	636.5	636.5	636.5	636.5	636.5
2.5°	638.1	635.2	636.5	636.5	634.9
5°	636.2	633.6	635.2	634.6	633.6
7.5°	633.3	630.8	631.8	631.4	631.1
10°	628.9	626.4	627.7	627.0	626.4
12.5°	623.2	620.7	622.0	621.0	620.4
15°	616.6	613.8	614.7	613.8	613.5
17.5°	608.4	605.6	605.9	604.6	603.4
20°	598.3	595.8	596.1	593.0	591.7
22.5°	586.7	584.2	583.8	579.7	578.2
25°	574.7	570.9	569.7	564.6	563.3
27.5°	559.6	556.1	554.2	548.8	546.3
30°	543.5	539.7	536.5	530.6	528.0
32.5°	525.2	521.4	517.3	511.0	508.2
35°	504.1	500.6	496.5	489.9	486.4
37.5°	483.0	479.2	475.1	467.2	464.4
40°	459.6	456.2	451.7	443.2	440.1
42.5°	436.3	432.2	426.8	418.6	415.2
45°	411.7	407.9	401.6	393.1	389.0
47.5°	385.9	382.7	376.1	366.9	362.5
50°	358.8	356.2	349.3	339.2	335.1
52.5°	332.9	329.4	321.6	311.5	307.0
55°	304.5	302.3	292.5	283.1	278.7
57.5°	276.2	273.3	263.5	254.1	250.0
60°	247.2	244.6	234.2	224.8	219.7
62.5°	217.8	215.0	204.0	195.5	190.7
65°	187.6	185.4	174.3	166.8	163.0
67.5°	157.3	155.7	144.1	137.8	134.9
70°	127.7	125.5	116.3	113.8	125.8
72.5°	100.2	97.4	89.5	85.4	82.3
75°	74.4	72.8	71.6	69.0	64.3
77.5°	52.3	52.0	47.6	44.1	47.6
80°	35.9	37.2	32.2	29.3	30.6
82.5°	22.1	24.6	19.2	17.0	16.4
85°	11.0	11.3	9.5	8.8	8.5
87.5°	4.1	4.7	4.1	3.5	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)