

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: P505849

Luminaire Tested: **14PD-25-PR1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505849
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-25-PR1-L927
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

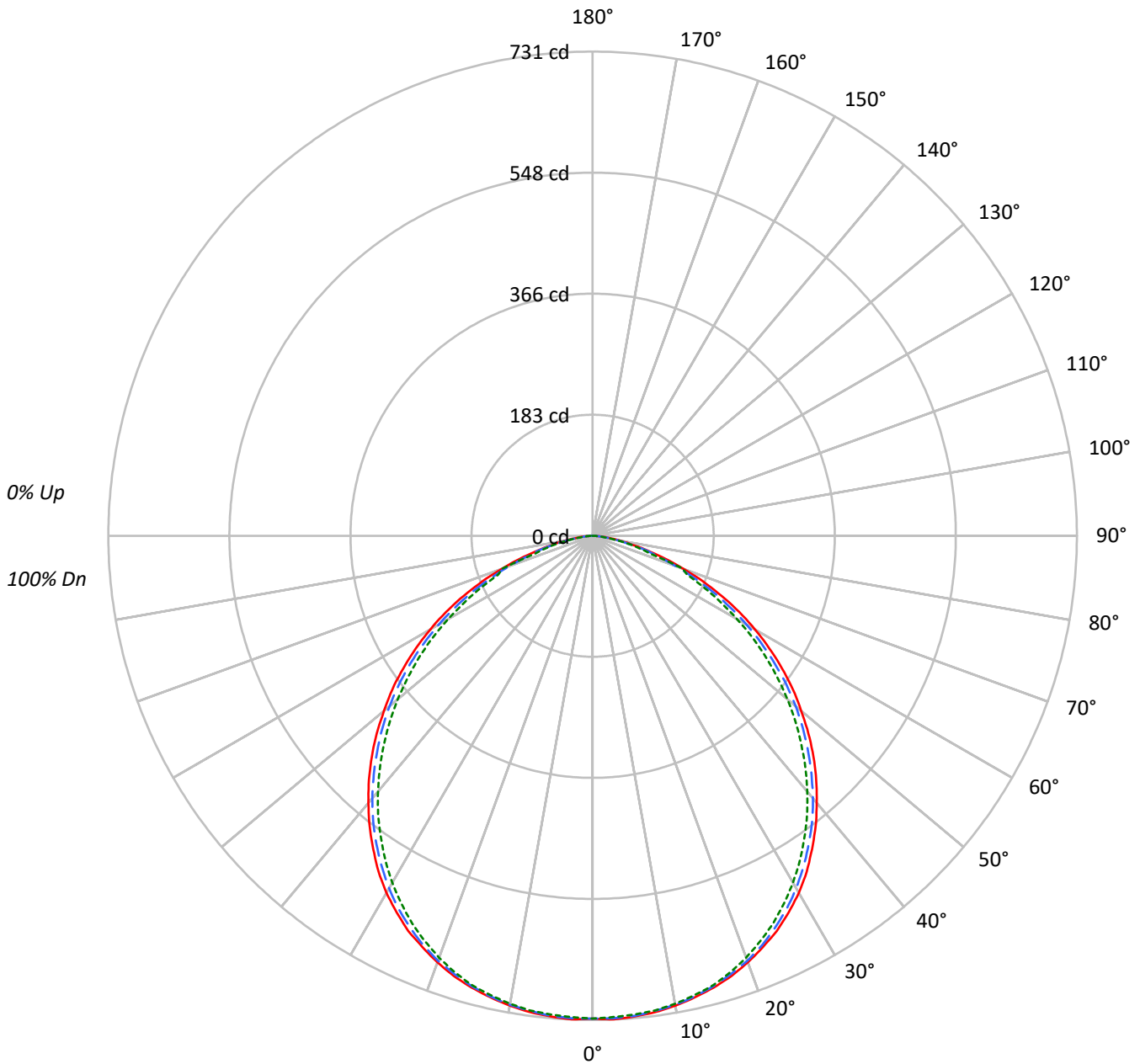
Lumens per Lamp: N/A
Luminaire Lumens: 1876.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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°	1962	1962	1962
5°	1968	1965	1960
10°	1968	1964	1960
15°	1967	1962	1957
20°	1962	1955	1941
25°	1954	1937	1916
30°	1934	1909	1879
35°	1896	1868	1830
40°	1849	1818	1770
45°	1794	1751	1695
50°	1720	1675	1607
55°	1636	1572	1498
60°	1524	1444	1355
65°	1368	1272	1189
70°	1150	1048	1134
75°	886	853	766
80°	638	570	542
85°	389	333	299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.7
10°-20°	198.5	10.6
20°-30°	299.8	16.0
30°-40°	354.7	18.9
40°-50°	353.7	18.9
50°-60°	298.8	15.9
60°-70°	199.1	10.6
70°-80°	86.5	4.6
80°-90°	15.7	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°	567.5	30.2
0°-40°	922.2	49.2
0°-60°	1574.7	83.9
0°-90°	1876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	729	726	728	727	726	69
15°	706	703	704	703	703	199
25°	658	654	652	647	645	303
35°	577	573	569	561	557	361
45°	472	467	460	450	446	363
55°	349	346	335	324	319	311
65°	215	212	200	191	187	212
75°	85	83	82	79	74	93
85°	13	13	11	10	10	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.0	729.0	729.0	729.0	729.0
2.5°	730.8	727.5	729.0	729.0	727.2
5°	728.6	725.7	727.5	726.8	725.7
7.5°	725.4	722.5	723.5	723.2	722.8
10°	720.3	717.4	718.9	718.1	717.4
12.5°	713.8	710.9	712.4	711.3	710.5
15°	706.2	703.0	704.1	703.0	702.6
17.5°	696.8	693.6	693.9	692.5	691.1
20°	685.3	682.4	682.7	679.1	677.7
22.5°	671.9	669.0	668.7	664.0	662.2
25°	658.2	653.9	652.4	646.6	645.2
27.5°	640.9	636.9	634.7	628.6	625.7
30°	622.5	618.1	614.5	607.6	604.8
32.5°	601.5	597.2	592.5	585.3	582.0
35°	577.3	573.3	568.7	561.1	557.1
37.5°	553.1	548.8	544.1	535.1	531.8
40°	526.4	522.4	517.4	507.6	504.0
42.5°	499.7	495.0	488.9	479.5	475.5
45°	471.5	467.2	460.0	450.2	445.5
47.5°	441.9	438.3	430.7	420.3	415.2
50°	410.9	408.0	400.0	388.5	383.8
52.5°	381.3	377.3	368.3	356.7	351.7
55°	348.8	346.2	335.1	324.2	319.2
57.5°	316.3	313.0	301.8	291.0	286.3
60°	283.1	280.2	268.3	257.4	251.7
62.5°	249.5	246.2	233.6	223.9	218.4
65°	214.8	212.3	199.7	191.0	186.7
67.5°	180.2	178.4	165.0	157.8	154.5
70°	146.2	143.7	133.2	130.3	144.1
72.5°	114.8	111.6	102.5	97.8	94.2
75°	85.2	83.4	82.0	79.1	73.7
77.5°	59.9	59.6	54.5	50.5	54.5
80°	41.2	42.6	36.8	33.6	35.0
82.5°	25.3	28.2	22.0	19.5	18.8
85°	12.6	13.0	10.8	10.1	9.7
87.5°	4.7	5.4	4.7	4.0	4.0
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)