

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: P506257

Luminaire Tested: **22PD-35-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PR1-L940
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

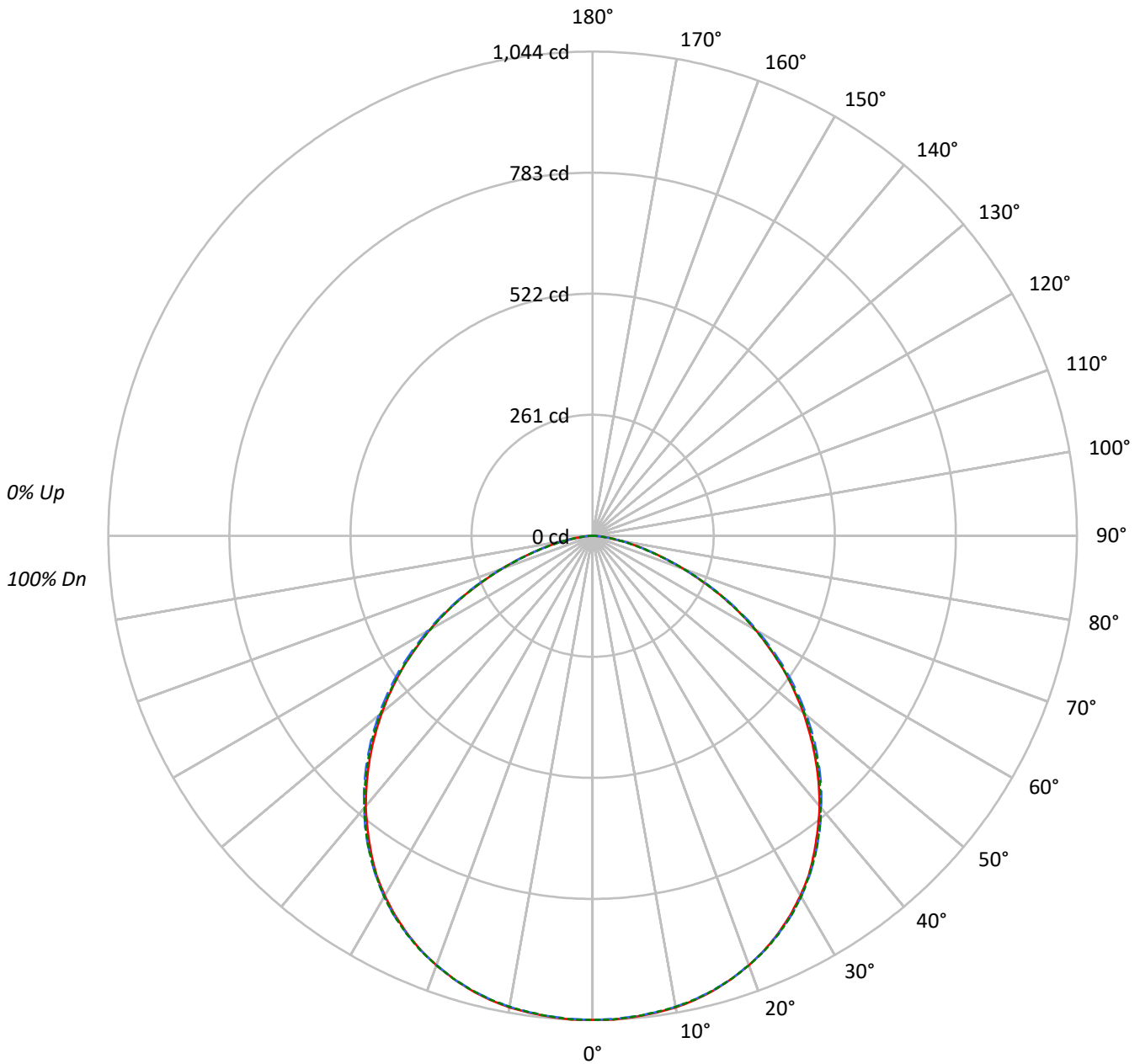
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2789.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2809	2809	2809
5°	2813	2811	2811
10°	2822	2818	2818
15°	2825	2822	2823
20°	2821	2820	2822
25°	2809	2812	2814
30°	2784	2793	2793
35°	2737	2752	2751
40°	2673	2692	2688
45°	2585	2618	2605
50°	2480	2519	2498
55°	2354	2392	2358
60°	2183	2213	2175
65°	1947	1968	1945
70°	1638	1638	1627
75°	1283	1283	1269
80°	941	930	924
85°	614	614	624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	3.6
10°-20°	286.0	10.3
20°-30°	436.3	15.6
30°-40°	522.9	18.7
40°-50°	528.1	18.9
50°-60°	451.8	16.2
60°-70°	304.7	10.9
70°-80°	134.4	4.8
80°-90°	25.8	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°	821.3	29.4
0°-40°	1344.2	48.2
0°-60°	2324.1	83.3
0°-90°	2789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2789.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1041	1040	1041	1040	1041	99
15°	1014	1014	1013	1013	1013	286
25°	946	947	947	947	948	436
35°	833	838	838	837	837	521
45°	679	684	688	687	684	524
55°	502	506	510	509	502	447
65°	306	308	309	308	306	302
75°	123	124	123	124	122	134
85°	20	20	20	20	20	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1043.7	1043.7	1043.7	1043.7	1043.7
2.5°	1044.4	1043.0	1042.7	1042.3	1043.7
5°	1041.3	1039.9	1040.6	1039.9	1040.6
7.5°	1037.5	1036.1	1036.4	1035.7	1036.4
10°	1032.6	1031.2	1031.2	1030.5	1031.2
12.5°	1024.9	1023.9	1023.5	1022.8	1023.9
15°	1014.1	1013.7	1013.1	1012.7	1013.4
17.5°	1000.8	1000.1	1000.8	999.8	1000.5
20°	985.2	985.5	984.8	985.2	985.5
22.5°	967.4	967.4	967.7	967.7	968.4
25°	946.1	947.1	947.1	947.1	947.8
27.5°	922.4	923.8	924.8	924.1	924.8
30°	895.9	898.3	898.7	898.3	899.0
32.5°	867.3	869.0	870.1	869.4	868.7
35°	833.1	838.0	837.6	836.9	837.3
37.5°	797.2	802.1	803.8	802.4	802.8
40°	760.9	765.1	766.2	766.5	765.1
42.5°	720.8	725.7	729.5	727.8	725.7
45°	679.3	684.5	688.0	687.0	684.5
47.5°	636.4	641.3	646.2	644.4	642.0
50°	592.5	597.4	601.6	600.9	596.7
52.5°	547.5	553.1	556.9	555.5	549.9
55°	501.8	506.4	509.8	509.1	502.5
57.5°	452.3	458.2	460.0	458.9	454.0
60°	405.6	409.4	411.1	409.8	404.2
62.5°	355.7	358.8	360.2	359.9	356.0
65°	305.8	308.3	309.0	308.3	305.5
67.5°	254.6	258.1	258.4	258.4	255.6
70°	208.2	209.2	208.2	211.0	206.8
72.5°	163.2	163.9	163.2	163.2	161.5
75°	123.4	123.8	123.4	123.8	122.1
77.5°	89.3	90.0	88.6	89.6	87.9
80°	60.7	60.7	60.0	60.3	59.6
82.5°	37.7	38.4	37.3	37.3	37.0
85°	19.9	19.9	19.9	20.2	20.2
87.5°	7.0	7.0	7.3	7.3	7.0
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)