

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: P505846

Luminaire Tested: **14PD-25-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505846
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-L835
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

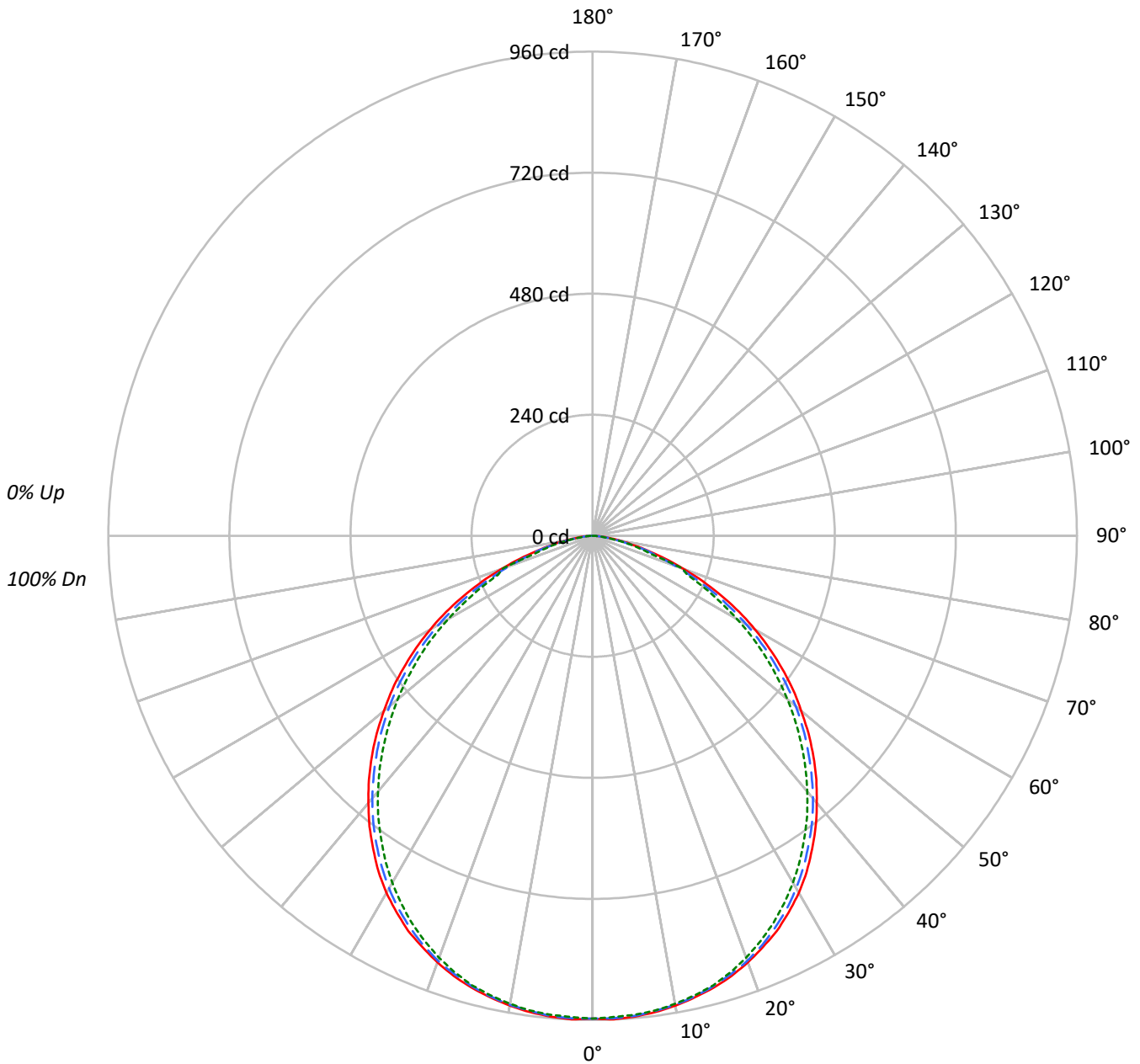
Lumens per Lamp: N/A
Luminaire Lumens: 2464.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2576	2576	2576
5°	2585	2581	2575
10°	2585	2580	2575
15°	2584	2576	2571
20°	2578	2568	2549
25°	2567	2544	2516
30°	2540	2508	2468
35°	2491	2454	2404
40°	2429	2387	2325
45°	2357	2299	2227
50°	2259	2200	2110
55°	2149	2065	1967
60°	2001	1896	1779
65°	1797	1670	1561
70°	1511	1377	1489
75°	1163	1119	1005
80°	838	750	713
85°	513	438	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	3.7
10°-20°	260.7	10.6
20°-30°	393.8	16.0
30°-40°	465.9	18.9
40°-50°	464.6	18.9
50°-60°	392.5	15.9
60°-70°	261.5	10.6
70°-80°	113.6	4.6
80°-90°	20.6	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°	745.3	30.2
0°-40°	1211.2	49.2
0°-60°	2068.3	83.9
0°-90°	2464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	957	957	957	957	957	
5°	957	953	956	955	953	91
15°	928	923	925	923	923	262
25°	864	859	857	849	847	398
35°	758	753	747	737	732	474
45°	619	614	604	591	585	477
55°	458	455	440	426	419	409
65°	282	279	262	251	245	279
75°	112	110	108	104	97	122
85°	17	17	14	13	13	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	957.4	957.4	957.4	957.4	957.4
2.5°	959.8	955.5	957.4	957.4	955.1
5°	957.0	953.2	955.5	954.6	953.2
7.5°	952.7	948.9	950.3	949.9	949.4
10°	946.1	942.3	944.2	943.2	942.3
12.5°	937.5	933.7	935.6	934.2	933.3
15°	927.6	923.3	924.7	923.3	922.8
17.5°	915.2	911.0	911.4	909.5	907.7
20°	900.1	896.3	896.7	892.0	890.1
22.5°	882.5	878.7	878.2	872.1	869.7
25°	864.5	858.8	856.9	849.3	847.4
27.5°	841.7	836.5	833.7	825.6	821.8
30°	817.5	811.9	807.1	798.1	794.3
32.5°	790.0	784.4	778.2	768.7	764.4
35°	758.3	753.1	746.9	736.9	731.7
37.5°	726.5	720.8	714.6	702.8	698.5
40°	691.4	686.2	679.6	666.7	662.0
42.5°	656.3	650.2	642.1	629.8	624.5
45°	619.3	613.6	604.2	591.3	585.2
47.5°	580.4	575.7	565.7	552.0	545.3
50°	539.7	535.9	525.4	510.3	504.1
52.5°	500.8	495.6	483.7	468.5	461.9
55°	458.1	454.8	440.1	425.8	419.2
57.5°	415.4	411.1	396.4	382.2	376.1
60°	371.8	368.0	352.3	338.1	330.5
62.5°	327.7	323.4	306.8	294.0	286.9
65°	282.2	278.8	262.2	250.9	245.2
67.5°	236.6	234.3	216.7	207.2	203.0
70°	192.1	188.7	175.0	171.2	189.2
72.5°	150.8	146.5	134.7	128.5	123.8
75°	111.9	109.5	107.6	103.9	96.7
77.5°	78.7	78.2	71.6	66.4	71.6
80°	54.1	56.0	48.4	44.1	46.0
82.5°	33.2	37.0	28.9	25.6	24.7
85°	16.6	17.1	14.2	13.3	12.8
87.5°	6.2	7.1	6.2	5.2	5.2
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)