

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: P505837

Luminaire Tested: **14PD-25-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505837
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-25-PL1-L835
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

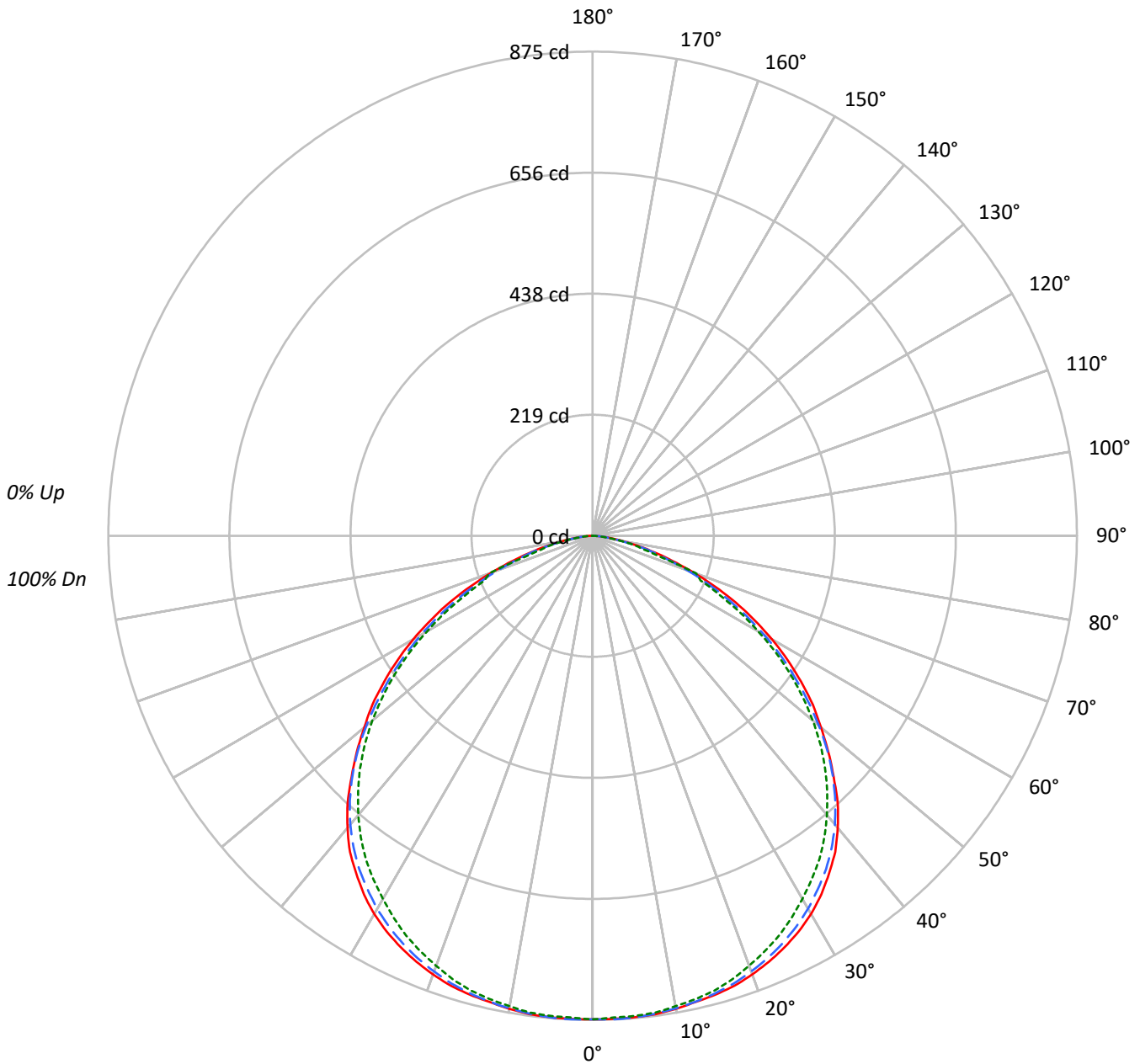
Lumens per Lamp: N/A
Luminaire Lumens: 2428.8 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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	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°	2352	2352	2352
5°	2359	2361	2353
10°	2372	2370	2359
15°	2392	2385	2370
20°	2416	2399	2368
25°	2436	2412	2367
30°	2453	2419	2354
35°	2447	2415	2346
40°	2421	2392	2313
45°	2343	2336	2261
50°	2254	2234	2174
55°	2157	2094	2046
60°	2014	1924	1859
65°	1815	1702	1610
70°	1518	1423	1563
75°	1198	1153	998
80°	863	766	781
85°	550	460	429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	3.4
10°-20°	241.5	9.9
20°-30°	373.4	15.4
30°-40°	457.0	18.8
40°-50°	468.5	19.3
50°-60°	399.0	16.4
60°-70°	266.7	11.0
70°-80°	118.2	4.9
80°-90°	21.4	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°	698.0	28.7
0°-40°	1155.0	47.6
0°-60°	2022.6	83.3
0°-90°	2428.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2428.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	873	872	874	873	871	83
15°	858	856	856	854	851	243
25°	821	818	812	802	797	378
35°	745	743	735	719	714	466
45°	616	618	614	600	594	475
55°	460	457	446	437	436	410
65°	285	283	267	255	253	281
75°	115	117	111	111	96	125
85°	18	17	15	14	14	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.9	873.9	873.9	<i>873.9</i>	873.9
2.5°	<i>873.9</i>	<i>872.4</i>	<i>874.8</i>	<i>875.8</i>	<i>871.5</i>
5°	873.4	871.5	873.9	<i>873.4</i>	871.0
7.5°	872.0	868.6	871.0	<i>870.0</i>	869.1
10°	868.1	865.2	867.2	<i>865.7</i>	863.3
12.5°	862.8	860.9	862.4	<i>860.9</i>	857.6
15°	858.5	855.6	856.1	<i>853.7</i>	850.8
17.5°	852.8	848.4	848.4	<i>843.6</i>	840.3
20°	843.6	839.8	837.9	<i>831.2</i>	826.9
22.5°	833.1	830.2	826.4	<i>817.7</i>	812.9
25°	820.6	817.7	812.5	<i>801.9</i>	797.1
27.5°	806.2	802.4	796.6	<i>784.1</i>	778.4
30°	789.4	784.6	778.4	<i>764.5</i>	757.7
32.5°	768.8	765.4	757.3	<i>742.9</i>	736.6
35°	744.8	742.9	735.2	<i>718.9</i>	714.1
37.5°	720.3	716.5	709.8	<i>692.5</i>	687.7
40°	689.1	686.7	681.0	<i>664.2</i>	658.4
42.5°	655.5	654.1	649.3	<i>633.5</i>	627.2
45°	615.7	617.6	613.8	<i>599.9</i>	594.1
47.5°	577.8	576.8	575.4	<i>562.9</i>	558.1
50°	538.4	536.5	533.6	<i>523.6</i>	519.2
52.5°	501.5	497.6	490.0	<i>481.3</i>	478.5
55°	459.7	457.3	446.3	<i>437.2</i>	436.2
57.5°	417.5	416.1	402.6	<i>392.1</i>	392.1
60°	374.3	372.4	357.5	<i>346.5</i>	345.5
62.5°	329.2	327.8	312.4	<i>299.9</i>	300.4
65°	285.1	282.7	267.3	<i>255.3</i>	252.9
67.5°	239.0	238.0	223.1	<i>212.1</i>	211.2
70°	192.9	192.9	180.9	<i>171.3</i>	198.7
72.5°	152.1	150.7	141.1	<i>136.8</i>	130.5
75°	115.2	116.6	110.9	<i>111.3</i>	96.0
77.5°	82.1	79.7	77.3	<i>72.0</i>	76.3
80°	55.7	54.2	49.4	<i>48.0</i>	50.4
82.5°	34.6	35.0	30.7	<i>27.8</i>	27.4
85°	17.8	17.3	14.9	<i>14.4</i>	13.9
87.5°	6.7	7.2	6.2	<i>5.8</i>	5.3
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)