

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: P505810

Luminaire Tested: **14PD-20-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505810
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-20-PL1-L835
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

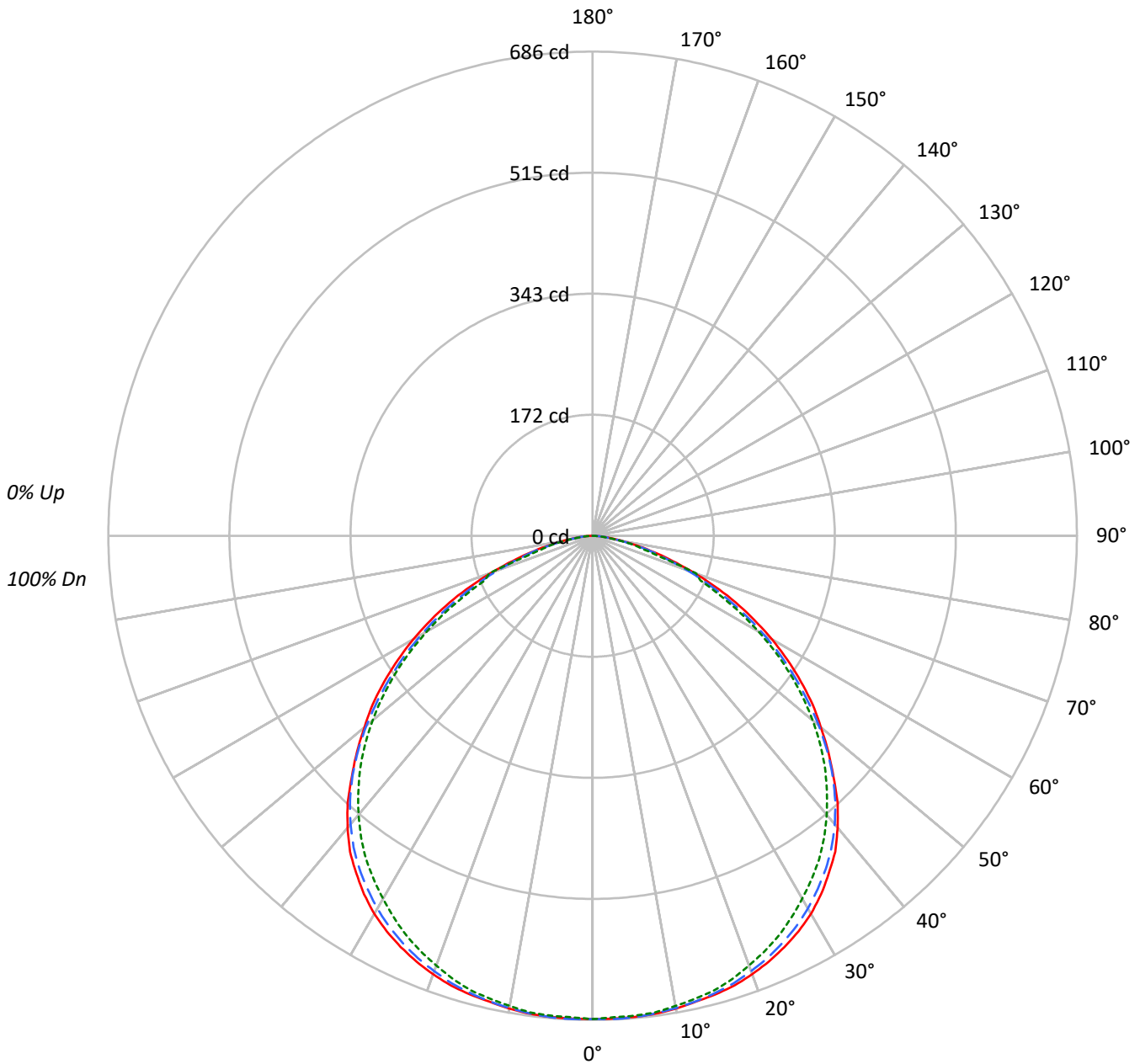
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1903.0 lumens
Efficiency: N/A
Efficacy: 109.4 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): 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	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°	1843	1843	1843
5°	1848	1850	1844
10°	1859	1857	1848
15°	1874	1869	1857
20°	1893	1880	1855
25°	1909	1890	1855
30°	1922	1895	1845
35°	1917	1893	1838
40°	1897	1874	1812
45°	1836	1830	1772
50°	1766	1750	1703
55°	1690	1641	1604
60°	1579	1507	1457
65°	1422	1333	1262
70°	1190	1116	1225
75°	938	904	782
80°	676	600	612
85°	429	361	337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	3.4
10°-20°	189.2	9.9
20°-30°	292.6	15.4
30°-40°	358.1	18.8
40°-50°	367.1	19.3
50°-60°	312.7	16.4
60°-70°	208.9	11.0
70°-80°	92.6	4.9
80°-90°	16.7	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°	546.9	28.7
0°-40°	905.0	47.6
0°-60°	1584.8	83.3
0°-90°	1903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1903.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	684	683	685	684	682	65
15°	673	670	671	669	667	190
25°	643	641	637	628	625	296
35°	584	582	576	563	560	365
45°	482	484	481	470	466	372
55°	360	358	350	342	342	321
65°	223	222	209	200	198	220
75°	90	91	87	87	75	98
85°	14	14	12	11	11	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	684.7	684.7	684.7	684.7	684.7
2.5°	684.7	683.6	685.5	686.2	682.8
5°	684.3	682.8	684.7	684.3	682.5
7.5°	683.2	680.6	682.5	681.7	681.0
10°	680.2	678.0	679.5	678.3	676.4
12.5°	676.1	674.6	675.7	674.6	671.9
15°	672.7	670.4	670.8	668.9	666.7
17.5°	668.2	664.8	664.8	661.0	658.4
20°	661.0	658.0	656.5	651.3	647.9
22.5°	652.8	650.5	647.5	640.7	637.0
25°	643.0	640.7	636.6	628.3	624.6
27.5°	631.7	628.7	624.2	614.4	609.9
30°	618.5	614.8	609.9	599.0	593.7
32.5°	602.4	599.7	593.3	582.1	577.2
35°	583.6	582.1	576.1	563.3	559.5
37.5°	564.4	561.4	556.1	542.6	538.8
40°	540.0	538.1	533.6	520.4	515.9
42.5°	513.6	512.5	508.7	496.3	491.4
45°	482.4	483.9	480.9	470.0	465.5
47.5°	452.7	452.0	450.8	441.1	437.3
50°	421.9	420.4	418.1	410.2	406.8
52.5°	392.9	389.9	383.9	377.1	374.9
55°	360.2	358.3	349.7	342.5	341.8
57.5°	327.1	326.0	315.5	307.2	307.2
60°	293.3	291.8	280.1	271.5	270.7
62.5°	257.9	256.8	244.8	235.0	235.4
65°	223.4	221.5	209.4	200.0	198.2
67.5°	187.3	186.5	174.8	166.2	165.4
70°	151.2	151.2	141.8	134.2	155.7
72.5°	119.2	118.1	110.5	107.2	102.3
75°	90.2	91.4	86.9	87.2	75.2
77.5°	64.3	62.4	60.5	56.4	59.8
80°	43.6	42.5	38.7	37.6	39.5
82.5°	27.1	27.4	24.1	21.8	21.4
85°	13.9	13.5	11.7	11.3	10.9
87.5°	5.3	5.6	4.9	4.5	4.1
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)