

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: P506161

Luminaire Tested: **22PD-20-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-20-PL1-L835
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

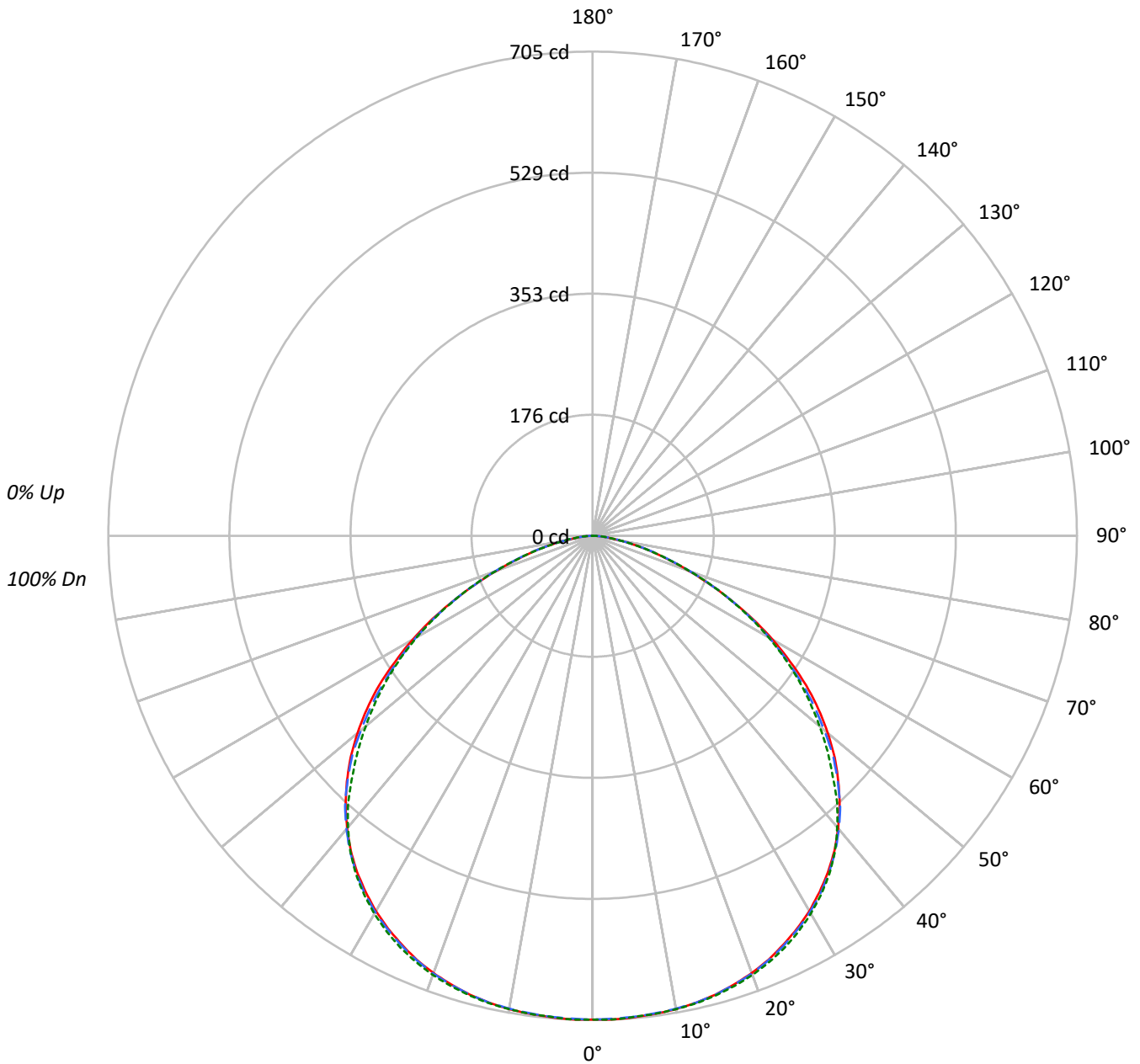
Lumens per Lamp: N/A
Luminaire Lumens: 1995.1 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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				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				100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61				61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52				52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35				35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31				31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1896	1896	1896
5°	1901	1899	1899
10°	1912	1910	1912
15°	1926	1926	1930
20°	1940	1942	1949
25°	1951	1955	1965
30°	1960	1967	1974
35°	1963	1970	1974
40°	1953	1958	1946
45°	1925	1920	1881
50°	1871	1842	1804
55°	1780	1735	1715
60°	1630	1599	1590
65°	1421	1418	1414
70°	1165	1184	1180
75°	923	939	923
80°	677	673	669
85°	451	445	475



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	3.4
10°-20°	195.4	9.8
20°-30°	303.8	15.2
30°-40°	374.5	18.8
40°-50°	386.8	19.4
50°-60°	331.0	16.6
60°-70°	220.9	11.1
70°-80°	96.9	4.9
80°-90°	18.7	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°	566.2	28.4
0°-40°	940.7	47.2
0°-60°	1658.5	83.1
0°-90°	1995.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	704	703	703	702	703	67
15°	692	691	692	692	693	195
25°	657	657	658	660	662	303
35°	598	598	600	601	601	374
45°	506	506	504	500	494	389
55°	380	375	370	368	366	337
65°	223	223	223	224	222	221
75°	89	88	90	90	89	96
85°	15	14	14	15	15	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	704.4	704.4	704.4	704.4	704.4
2.5°	704.9	703.9	703.6	703.6	704.9
5°	703.6	702.6	702.9	702.4	703.1
7.5°	701.9	700.9	701.1	700.9	701.9
10°	699.9	698.9	699.1	698.9	699.9
12.5°	696.4	695.7	696.2	696.4	697.2
15°	691.5	690.7	691.5	692.0	692.9
17.5°	685.0	684.5	685.3	686.0	687.2
20°	677.6	677.1	678.3	679.1	680.5
22.5°	668.4	667.9	669.1	670.9	671.9
25°	657.0	657.0	658.5	660.5	661.7
27.5°	644.8	644.6	646.3	648.3	649.5
30°	630.9	630.4	632.9	634.7	635.4
32.5°	614.8	615.1	617.3	619.0	619.3
35°	597.7	597.7	599.7	600.9	600.9
37.5°	578.1	577.9	579.9	580.4	579.6
40°	556.0	556.3	557.5	557.3	554.1
42.5°	532.2	532.5	533.5	530.0	526.8
45°	505.9	505.7	504.5	499.7	494.3
47.5°	477.9	476.7	474.7	467.5	463.5
50°	446.9	444.9	440.0	434.3	431.0
52.5°	414.2	410.7	405.7	401.3	398.6
55°	379.5	374.7	369.8	367.8	365.6
57.5°	340.8	337.8	333.6	332.6	331.1
60°	302.8	299.6	297.1	297.1	295.4
62.5°	263.1	261.2	260.2	260.7	258.9
65°	223.2	222.7	222.7	223.5	222.0
67.5°	184.5	185.5	185.3	187.7	185.8
70°	148.1	149.8	150.5	153.0	150.0
72.5°	116.6	116.8	117.8	118.6	117.1
75°	88.8	88.0	90.3	89.8	88.8
77.5°	64.2	63.7	64.5	65.0	63.7
80°	43.7	43.2	43.4	44.1	43.2
82.5°	27.5	27.0	27.0	27.8	27.5
85°	14.6	14.4	14.4	14.9	15.4
87.5°	5.2	5.0	5.2	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)