

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: P505828

Luminaire Tested: **14PD-20-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PW1-L835
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

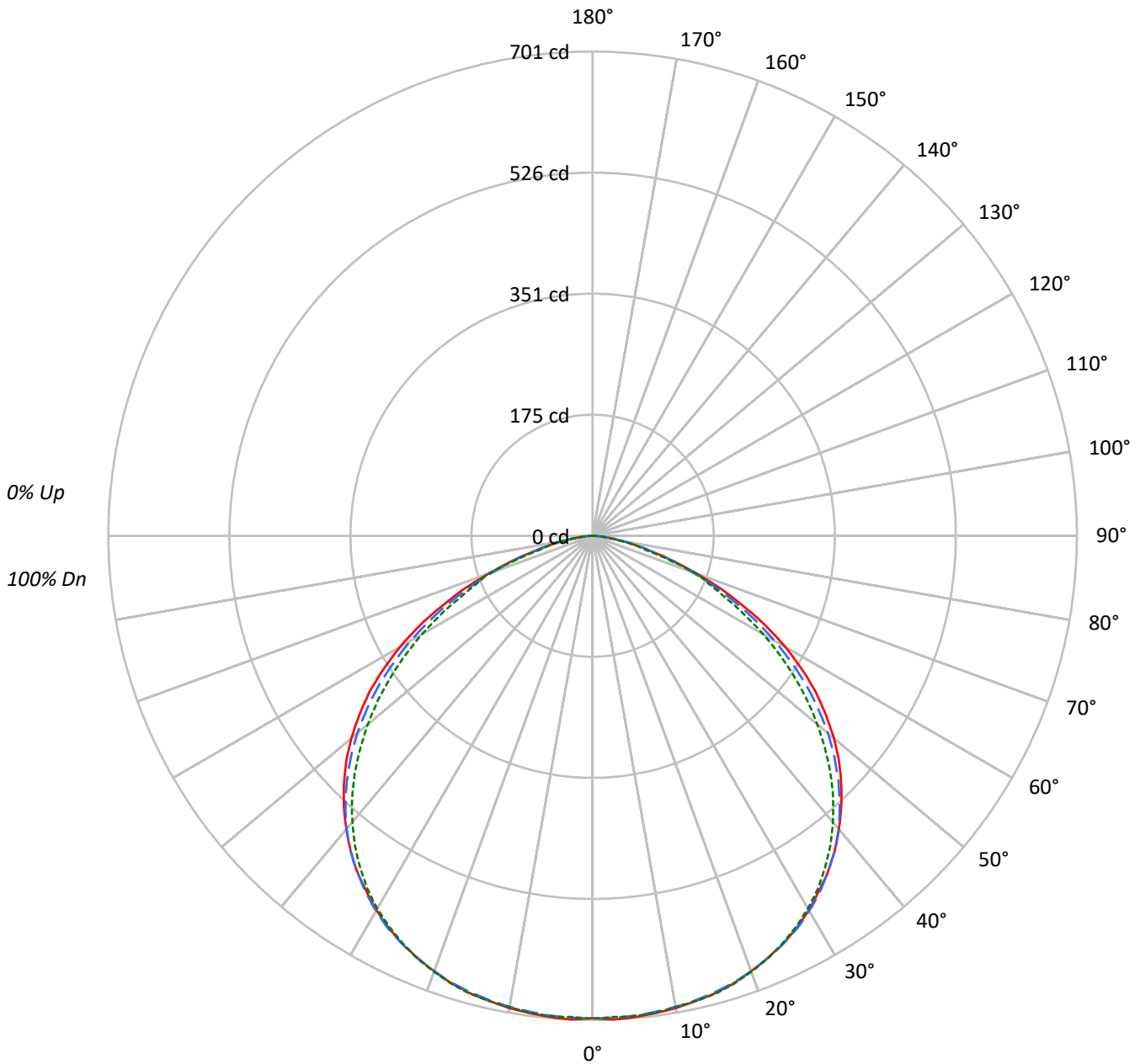
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1989.8 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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				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	83	79	76	80	77	74	72				72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1880	1880	1880
5°	1890	1884	1886
10°	1897	1892	1893
15°	1910	1906	1912
20°	1922	1920	1924
25°	1936	1936	1933
30°	1945	1949	1936
35°	1951	1951	1927
40°	1948	1946	1901
45°	1937	1915	1853
50°	1908	1862	1778
55°	1849	1772	1675
60°	1732	1637	1535
65°	1534	1446	1351
70°	1253	1197	1262
75°	944	928	834
80°	679	637	637
85°	426	401	355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	3.3
10°-20°	193.4	9.7
20°-30°	300.2	15.1
30°-40°	369.8	18.6
40°-50°	385.0	19.3
50°-60°	334.8	16.8
60°-70°	224.9	11.3
70°-80°	97.4	4.9
80°-90°	17.9	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°	560.1	28.1
0°-40°	929.9	46.7
0°-60°	1649.7	82.9
0°-90°	1989.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1989.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	699	699	699	699	699	
5°	700	695	698	699	698	67
15°	686	681	684	686	686	194
25°	652	649	652	652	651	300
35°	594	592	594	589	586	371
45°	509	508	503	492	487	392
55°	394	387	378	363	357	350
65°	241	237	227	216	212	239
75°	91	92	89	91	80	100
85°	14	14	13	12	12	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	698.7	698.7	698.7	698.7	698.7
2.5°	701.1	696.7	698.3	700.7	697.5
5°	699.5	695.1	697.5	699.1	698.3
7.5°	697.1	693.9	695.1	696.7	696.3
10°	694.3	691.2	692.4	693.9	692.8
12.5°	690.0	686.4	688.8	690.4	690.0
15°	685.7	680.9	684.1	686.4	686.4
17.5°	679.3	675.4	678.5	680.5	680.1
20°	671.0	668.3	670.6	672.2	671.8
22.5°	661.6	659.6	662.4	662.4	662.4
25°	652.1	648.9	652.1	652.1	650.9
27.5°	639.8	637.1	641.0	639.8	637.9
30°	626.0	624.4	627.2	625.2	623.2
32.5°	609.8	609.0	611.8	607.8	606.3
35°	594.0	592.4	594.0	588.9	586.5
37.5°	575.5	573.9	575.5	568.7	565.2
40°	554.5	553.3	554.1	545.4	541.1
42.5°	532.8	531.6	529.6	519.0	515.4
45°	509.1	507.5	503.2	491.7	487.0
47.5°	483.8	481.1	474.7	462.5	456.2
50°	455.8	451.8	444.7	431.3	424.6
52.5°	425.4	420.6	411.5	398.1	391.8
55°	394.2	387.1	377.6	362.6	357.0
57.5°	358.6	351.1	341.2	327.4	321.1
60°	321.9	314.4	304.1	291.5	285.2
62.5°	282.8	276.1	265.8	254.0	248.4
65°	240.9	236.6	227.1	216.4	212.1
67.5°	201.4	197.1	189.2	180.1	181.7
70°	159.2	158.8	152.1	145.7	160.4
72.5°	124.0	123.2	119.7	116.5	115.7
75°	90.8	91.6	89.3	91.2	80.2
77.5°	64.0	64.8	64.4	58.8	61.6
80°	43.8	43.8	41.1	39.1	41.1
82.5°	26.5	31.6	28.4	23.3	22.5
85°	13.8	14.2	13.0	11.5	11.5
87.5°	5.1	5.9	5.1	4.7	4.3
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)