

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: P505873

Luminaire Tested: **14PD-30-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505873
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-30-PR1-L835
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

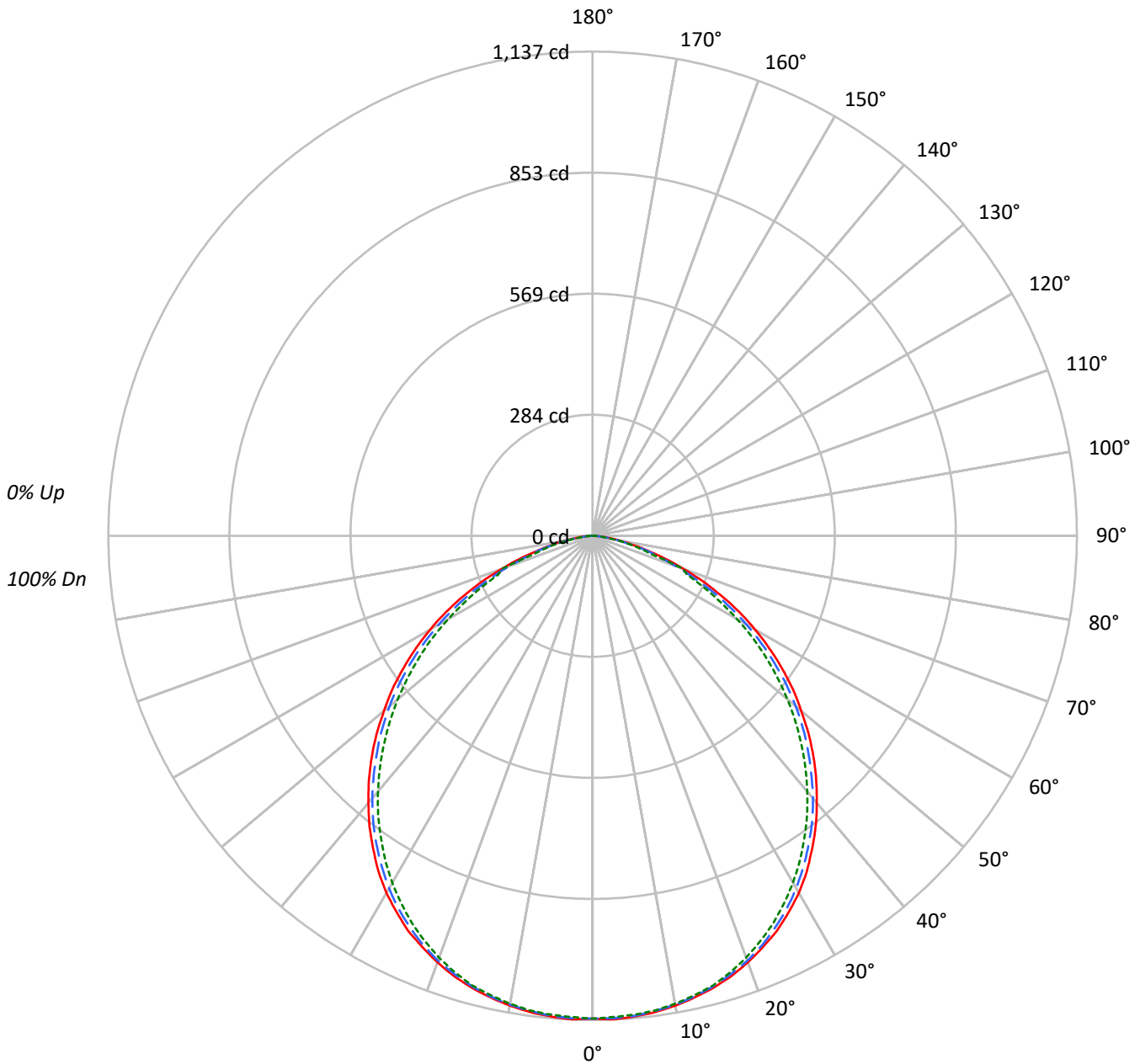
Lumens per Lamp: N/A
Luminaire Lumens: 2918.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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			100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86			86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73			73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53			53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46			46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41			41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32			32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29			29
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3051	3051	3051
5°	3061	3057	3049
10°	3061	3055	3049
15°	3060	3051	3045
20°	3052	3041	3019
25°	3040	3013	2980
30°	3008	2970	2923
35°	2950	2906	2847
40°	2876	2827	2754
45°	2791	2723	2637
50°	2676	2605	2499
55°	2545	2445	2329
60°	2370	2246	2106
65°	2127	1978	1848
70°	1789	1630	1763
75°	1378	1326	1192
80°	992	888	845
85°	608	519	469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	3.7
10°-20°	308.8	10.6
20°-30°	466.4	16.0
30°-40°	551.8	18.9
40°-50°	550.2	18.9
50°-60°	464.8	15.9
60°-70°	309.7	10.6
70°-80°	134.5	4.6
80°-90°	24.4	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°	882.6	30.2
0°-40°	1434.4	49.2
0°-60°	2449.4	83.9
0°-90°	2918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1133	1129	1132	1130	1129	108
15°	1098	1093	1095	1093	1093	310
25°	1024	1017	1015	1006	1004	471
35°	898	892	884	873	866	562
45°	733	727	716	700	693	565
55°	542	539	521	504	496	484
65°	334	330	311	297	290	330
75°	132	130	128	123	115	145
85°	20	20	17	16	15	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.9	1133.9	1133.9	1133.9	1133.9
2.5°	1136.7	1131.6	1133.9	1133.9	1131.0
5°	1133.3	1128.8	1131.6	1130.5	1128.8
7.5°	1128.2	1123.7	1125.4	1124.9	1124.3
10°	1120.4	1115.9	1118.1	1117.0	1115.9
12.5°	1110.3	1105.8	1108.0	1106.3	1105.2
15°	1098.5	1093.4	1095.1	1093.4	1092.9
17.5°	1083.9	1078.8	1079.4	1077.1	1074.9
20°	1065.9	1061.4	1062.0	1056.4	1054.1
22.5°	1045.1	1040.6	1040.1	1032.8	1030.0
25°	1023.8	1017.0	1014.8	1005.8	1003.6
27.5°	996.8	990.6	987.3	977.7	973.2
30°	968.2	961.4	955.8	945.2	940.7
32.5°	935.6	928.9	921.6	910.3	905.3
35°	898.0	891.8	884.5	872.7	866.5
37.5°	860.4	853.6	846.3	832.3	827.2
40°	818.8	812.6	804.8	789.6	784.0
42.5°	777.2	769.9	760.4	745.8	739.6
45°	733.4	726.7	715.5	700.3	693.0
47.5°	687.4	681.8	670.0	653.7	645.8
50°	639.1	634.6	622.2	604.3	597.0
52.5°	593.0	586.9	572.8	554.9	547.0
55°	542.5	538.6	521.2	504.3	496.4
57.5°	492.0	486.9	469.5	452.6	445.3
60°	440.3	435.8	417.3	400.4	391.4
62.5°	388.1	383.0	363.4	348.2	339.8
65°	334.1	330.2	310.6	297.1	290.3
67.5°	280.2	277.4	256.6	245.4	240.4
70°	227.4	223.5	207.2	202.7	224.1
72.5°	178.6	173.5	159.5	152.2	146.6
75°	132.5	129.7	127.5	123.0	114.6
77.5°	93.2	92.7	84.8	78.6	84.8
80°	64.0	66.3	57.3	52.2	54.5
82.5°	39.3	43.8	34.3	30.3	29.2
85°	19.7	20.2	16.8	15.7	15.2
87.5°	7.3	8.4	7.3	6.2	6.2
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)