

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: P505864

Luminaire Tested: **14PD-30-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505864
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-30-PL1-L835
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

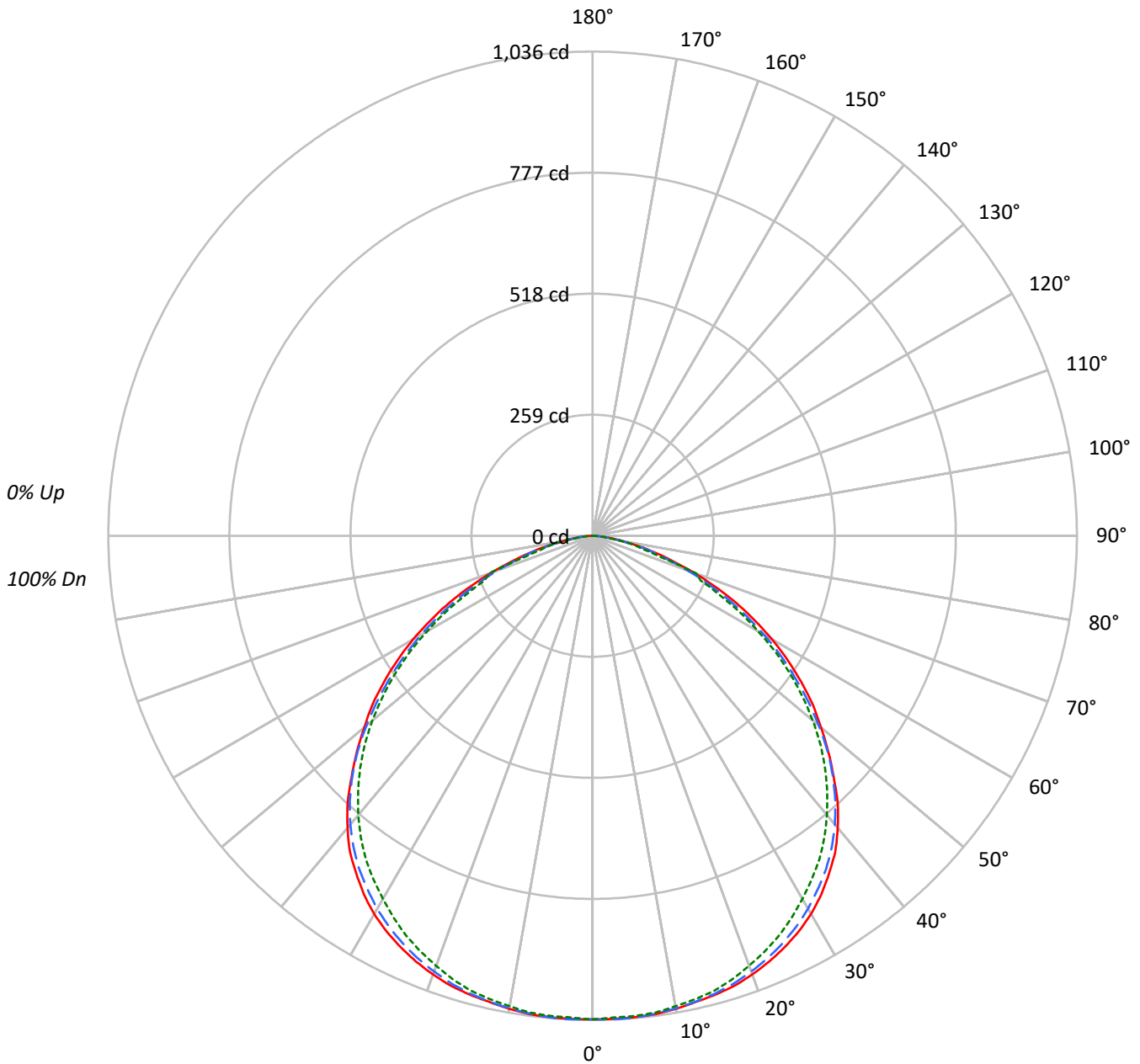
Lumens per Lamp: N/A
Luminaire Lumens: 2875.7 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	2784	2784	2784
5°	2793	2795	2786
10°	2809	2805	2793
15°	2832	2824	2807
20°	2861	2841	2804
25°	2885	2856	2802
30°	2904	2864	2788
35°	2897	2860	2778
40°	2866	2832	2739
45°	2774	2766	2677
50°	2669	2645	2574
55°	2554	2479	2423
60°	2385	2278	2202
65°	2149	2015	1906
70°	1797	1685	1851
75°	1418	1365	1181
80°	1021	907	925
85°	648	543	509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.4
10°-20°	285.9	9.9
20°-30°	442.1	15.4
30°-40°	541.1	18.8
40°-50°	554.7	19.3
50°-60°	472.5	16.4
60°-70°	315.7	11.0
70°-80°	139.9	4.9
80°-90°	25.3	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°	826.4	28.7
0°-40°	1367.6	47.6
0°-60°	2394.8	83.3
0°-90°	2875.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2875.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1034	1032	1035	1034	1031	99
15°	1016	1013	1014	1011	1007	287
25°	972	968	962	950	944	448
35°	882	880	870	851	846	551
45°	729	731	727	710	703	563
55°	544	542	528	518	516	486
65°	338	335	316	302	299	333
75°	136	138	131	132	114	148
85°	21	20	18	17	16	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1034.7	1034.7	1034.7	1034.7	1034.7
2.5°	1034.7	1033.0	1035.8	1037.0	1031.8
5°	1034.1	1031.8	1034.7	1034.1	1031.3
7.5°	1032.4	1028.4	1031.3	1030.1	1029.0
10°	1027.9	1024.5	1026.7	1025.0	1022.2
12.5°	1021.6	1019.3	1021.1	1019.3	1015.4
15°	1016.5	1013.1	1013.7	1010.8	1007.4
17.5°	1009.7	1004.6	1004.6	998.9	994.9
20°	998.9	994.3	992.1	984.1	979.0
22.5°	986.4	983.0	978.4	968.2	962.5
25°	971.6	968.2	962.0	949.5	943.8
27.5°	954.6	950.0	943.2	928.4	921.6
30°	934.7	929.0	921.6	905.1	897.2
32.5°	910.3	906.3	896.6	879.6	872.2
35°	881.8	879.6	870.5	851.2	845.5
37.5°	852.9	848.3	840.4	819.9	814.2
40°	815.9	813.1	806.3	786.4	779.6
42.5°	776.2	774.5	768.8	750.0	742.6
45°	729.0	731.3	726.7	710.2	703.4
47.5°	684.1	683.0	681.3	666.5	660.8
50°	637.5	635.2	631.8	619.9	614.8
52.5°	593.8	589.2	580.1	569.9	566.5
55°	544.3	541.5	528.4	517.6	516.5
57.5°	494.3	492.6	476.7	464.2	464.2
60°	443.2	440.9	423.3	410.2	409.1
62.5°	389.8	388.1	369.9	355.1	355.7
65°	337.5	334.7	316.5	302.3	299.4
67.5°	283.0	281.8	264.2	251.1	250.0
70°	228.4	228.4	214.2	202.8	235.2
72.5°	180.1	178.4	167.1	161.9	154.5
75°	136.4	138.1	131.3	131.8	113.6
77.5°	97.2	94.3	91.5	85.2	90.3
80°	65.9	64.2	58.5	56.8	59.7
82.5°	40.9	41.5	36.4	33.0	32.4
85°	21.0	20.5	17.6	17.0	16.5
87.5°	8.0	8.5	7.4	6.8	6.3
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)