

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: P505893

Luminaire Tested: **14PD-35-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505893
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-35-PL1-L850
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI, 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

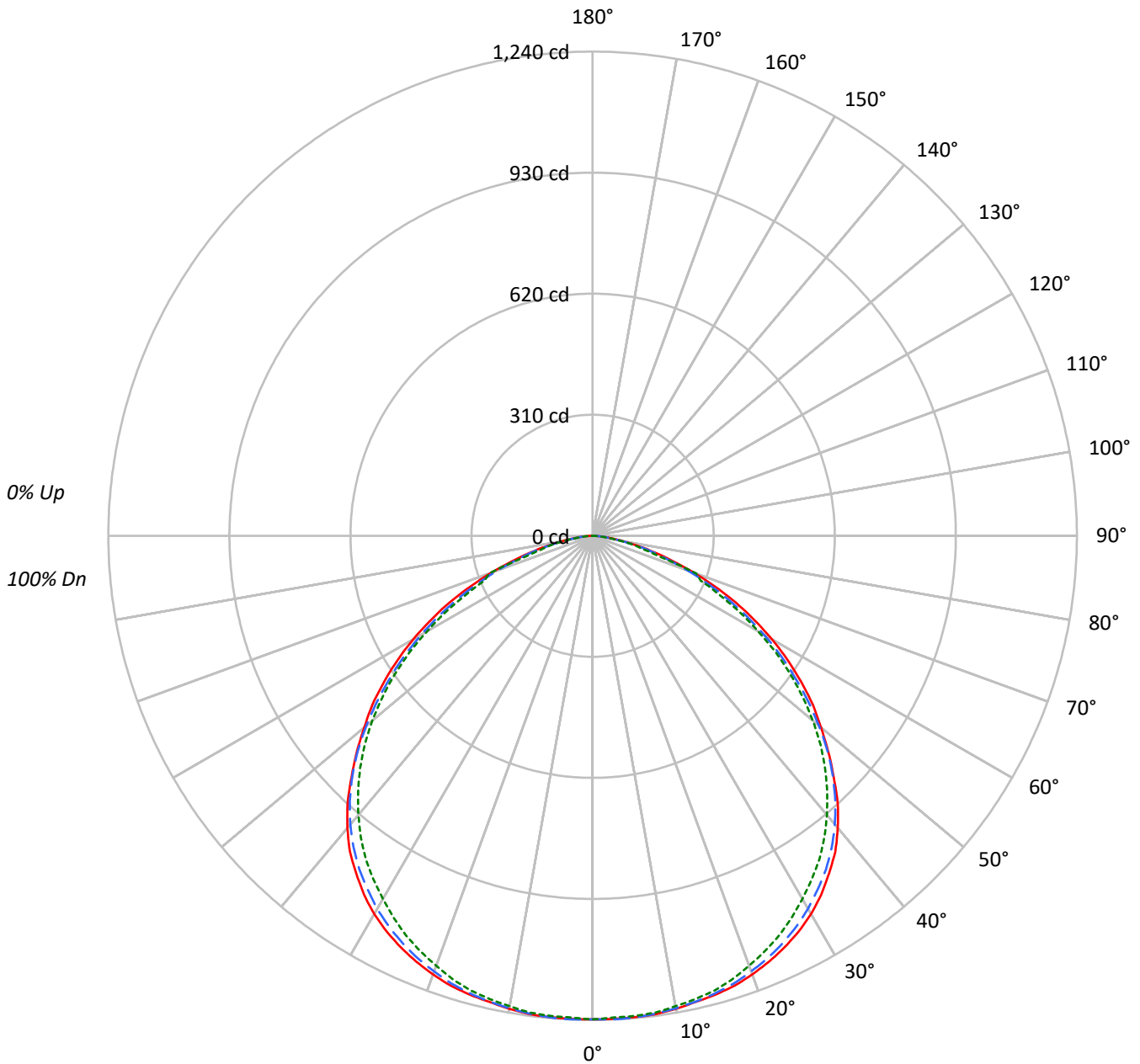
Lumens per Lamp: N/A
Luminaire Lumens: 3441.8 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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°	3333	3333	3333
5°	3343	3345	3334
10°	3362	3358	3343
15°	3389	3380	3359
20°	3424	3400	3355
25°	3453	3418	3354
30°	3476	3427	3337
35°	3467	3422	3324
40°	3431	3390	3277
45°	3320	3310	3204
50°	3194	3166	3080
55°	3057	2967	2900
60°	2855	2726	2635
65°	2572	2412	2282
70°	2151	2017	2215
75°	1697	1633	1414
80°	1223	1085	1106
85°	778	651	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	3.4
10°-20°	342.2	9.9
20°-30°	529.2	15.4
30°-40°	647.6	18.8
40°-50°	663.9	19.3
50°-60°	565.5	16.4
60°-70°	377.9	11.0
70°-80°	167.5	4.9
80°-90°	30.3	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°	989.1	28.7
0°-40°	1636.8	47.6
0°-60°	2866.2	83.3
0°-90°	3441.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3441.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1238	1235	1238	1238	1234	118
15°	1217	1212	1213	1210	1206	344
25°	1163	1159	1151	1136	1130	536
35°	1055	1053	1042	1019	1012	660
45°	872	875	870	850	842	673
55°	652	648	632	620	618	581
65°	404	401	379	362	358	398
75°	163	165	157	158	136	177
85°	25	24	21	20	20	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1238.4	1238.4	1238.4	1238.4	1238.4
2.5°	1238.4	1236.3	1239.7	1241.1	1235.0
5°	1237.7	1235.0	1238.4	1237.7	1234.3
7.5°	1235.7	1230.9	1234.3	1232.9	1231.6
10°	1230.2	1226.1	1228.9	1226.8	1223.4
12.5°	1222.7	1220.0	1222.1	1220.0	1215.3
15°	1216.6	1212.5	1213.2	1209.8	1205.7
17.5°	1208.5	1202.3	1202.3	1195.5	1190.8
20°	1195.5	1190.1	1187.4	1177.9	1171.7
22.5°	1180.6	1176.5	1171.1	1158.8	1152.0
25°	1162.9	1158.8	1151.3	1136.4	1129.6
27.5°	1142.5	1137.0	1128.9	1111.2	1103.0
30°	1118.7	1111.9	1103.0	1083.3	1073.8
32.5°	1089.4	1084.7	1073.1	1052.7	1043.9
35°	1055.4	1052.7	1041.8	1018.7	1011.9
37.5°	1020.8	1015.3	1005.8	981.3	974.5
40°	976.6	973.2	965.0	941.2	933.0
42.5°	929.0	926.9	920.1	897.7	888.8
45°	872.5	875.2	869.8	850.1	841.9
47.5°	818.8	817.4	815.4	797.7	790.9
50°	763.0	760.3	756.2	741.9	735.8
52.5°	710.7	705.2	694.3	682.1	678.0
55°	651.5	648.1	632.4	619.5	618.2
57.5°	591.6	589.6	570.6	555.6	555.6
60°	530.4	527.7	506.6	491.0	489.6
62.5°	466.5	464.5	442.7	425.0	425.7
65°	404.0	400.6	378.8	361.8	358.4
67.5°	338.7	337.3	316.2	300.6	299.2
70°	273.4	273.4	256.4	242.8	281.5
72.5°	215.6	213.5	199.9	193.8	185.0
75°	163.2	165.3	157.1	157.8	136.0
77.5°	116.3	112.9	109.5	102.0	108.1
80°	78.9	76.8	70.0	68.0	71.4
82.5°	49.0	49.6	43.5	39.4	38.8
85°	25.2	24.5	21.1	20.4	19.7
87.5°	9.5	10.2	8.8	8.2	7.5
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)