

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: P505891

Luminaire Tested: **14PD-35-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505891
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-L835
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

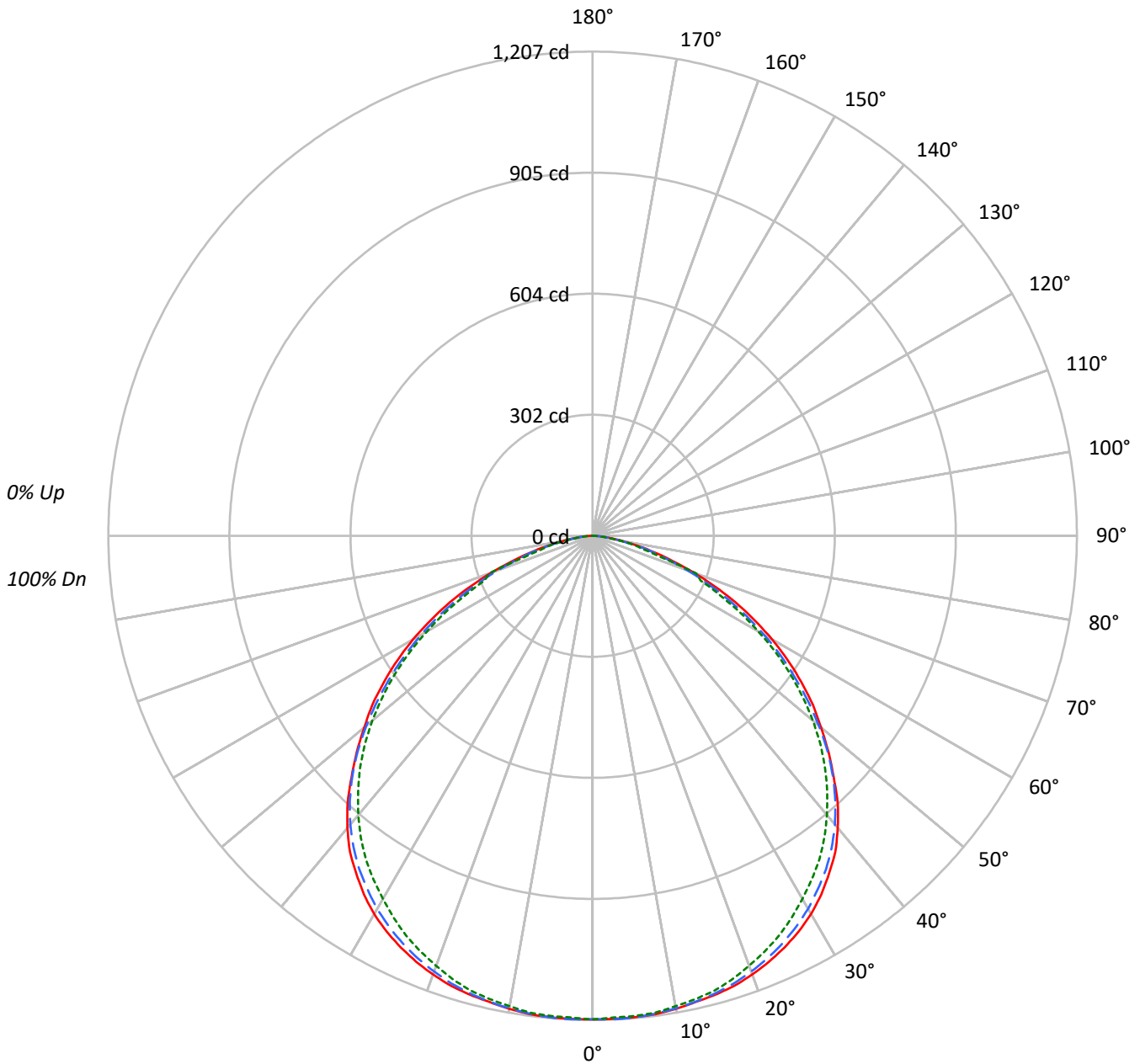
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3350.5 lumens
Efficiency: N/A
Efficacy: 105.4 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									
RC	80									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°	3244	3244	3244
5°	3255	3256	3246
10°	3272	3269	3254
15°	3299	3290	3270
20°	3333	3310	3266
25°	3361	3328	3265
30°	3384	3337	3248
35°	3375	3332	3236
40°	3339	3300	3191
45°	3232	3222	3119
50°	3110	3082	2999
55°	2975	2889	2823
60°	2779	2654	2565
65°	2504	2348	2222
70°	2094	1964	2157
75°	1652	1590	1377
80°	1190	1057	1077
85°	756	633	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	3.4
10°-20°	333.2	9.9
20°-30°	515.1	15.4
30°-40°	630.5	18.8
40°-50°	646.3	19.3
50°-60°	550.5	16.4
60°-70°	367.9	11.0
70°-80°	163.0	4.9
80°-90°	29.5	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°	962.9	28.7
0°-40°	1593.4	47.6
0°-60°	2790.2	83.3
0°-90°	3350.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1205	1202	1206	1205	1202	115
15°	1184	1180	1181	1178	1174	335
25°	1132	1128	1121	1106	1100	522
35°	1027	1025	1014	992	985	642
45°	849	852	847	828	820	656
55°	634	631	616	603	602	566
65°	393	390	369	352	349	388
75°	159	161	153	154	132	172
85°	24	24	20	20	19	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.5	1205.5	1205.5	1205.5	1205.5
2.5°	1205.5	1203.5	1206.8	1208.2	1202.2
5°	1204.9	1202.2	1205.5	1204.9	1201.6
7.5°	1202.9	1198.2	1201.6	1200.2	1198.9
10°	1197.6	1193.6	1196.3	1194.3	1191.0
12.5°	1190.3	1187.6	1189.6	1187.6	1183.0
15°	1184.3	1180.4	1181.0	1177.7	1173.7
17.5°	1176.4	1170.4	1170.4	1163.8	1159.2
20°	1163.8	1158.5	1155.9	1146.6	1140.6
22.5°	1149.3	1145.3	1140.0	1128.1	1121.4
25°	1132.0	1128.1	1120.8	1106.2	1099.6
27.5°	1112.2	1106.9	1098.9	1081.7	1073.8
30°	1089.0	1082.4	1073.8	1054.6	1045.3
32.5°	1060.5	1055.9	1044.7	1024.8	1016.2
35°	1027.4	1024.8	1014.2	991.7	985.1
37.5°	993.7	988.4	979.1	955.3	948.7
40°	950.6	947.3	939.4	916.2	908.3
42.5°	904.3	902.3	895.7	873.9	865.2
45°	849.4	852.0	846.7	827.5	819.6
47.5°	797.1	795.7	793.8	776.5	769.9
50°	742.8	740.1	736.2	722.3	716.3
52.5°	691.8	686.5	675.9	664.0	660.0
55°	634.2	630.9	615.7	603.1	601.8
57.5°	576.0	574.0	555.4	540.9	540.9
60°	516.4	513.7	493.2	478.0	476.6
62.5°	454.1	452.2	431.0	413.8	414.4
65°	393.2	389.9	368.7	352.2	348.9
67.5°	329.7	328.4	307.8	292.6	291.3
70°	266.1	266.1	249.6	236.3	274.1
72.5°	209.9	207.9	194.6	188.7	180.1
75°	158.9	160.9	152.9	153.6	132.4
77.5°	113.2	109.9	106.6	99.3	105.3
80°	76.8	74.8	68.2	66.2	69.5
82.5°	47.7	48.3	42.4	38.4	37.7
85°	24.5	23.8	20.5	19.9	19.2
87.5°	9.3	9.9	8.6	7.9	7.3
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)