

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: P505902

Luminaire Tested: **14PD-35-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505902
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-35-PR1-L850
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

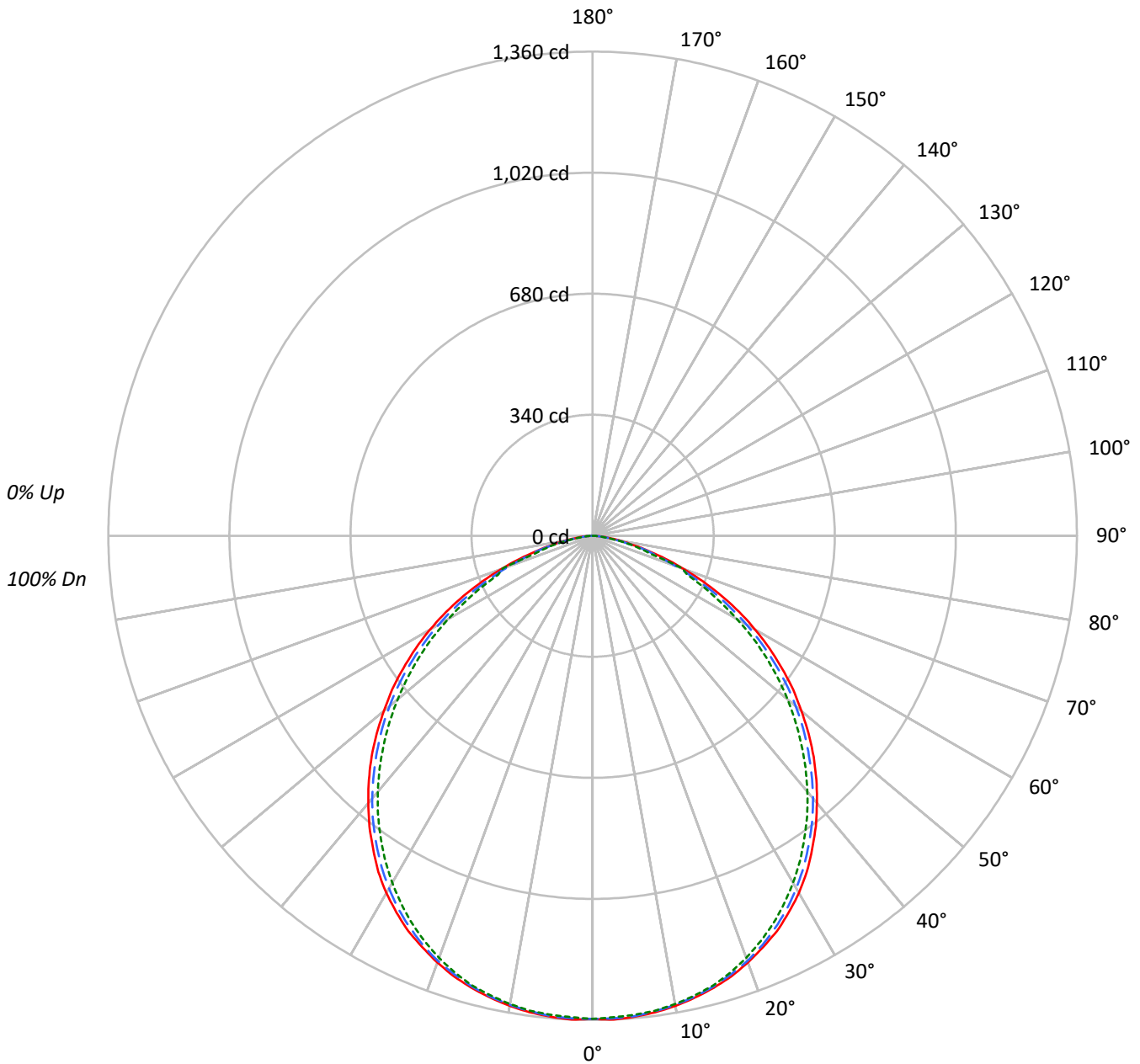
Lumens per Lamp: N/A
Luminaire Lumens: 3492.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P505902

CATALOG NUMBER: 14PD-35-PR1-L850

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3651	3651	3651
5°	3663	3658	3649
10°	3664	3656	3649
15°	3662	3651	3643
20°	3653	3639	3613
25°	3638	3606	3566
30°	3600	3554	3498
35°	3530	3477	3407
40°	3442	3383	3296
45°	3340	3258	3156
50°	3202	3117	2991
55°	3046	2926	2787
60°	2836	2687	2521
65°	2546	2367	2213
70°	2142	1951	2110
75°	1649	1587	1425
80°	1187	1063	1010
85°	726	624	559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	3.7
10°-20°	369.5	10.6
20°-30°	558.1	16.0
30°-40°	660.3	18.9
40°-50°	658.4	18.9
50°-60°	556.2	15.9
60°-70°	370.6	10.6
70°-80°	161.0	4.6
80°-90°	29.2	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°	1056.3	30.2
0°-40°	1716.6	49.2
0°-60°	2931.2	83.9
0°-90°	3492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1356	1351	1354	1353	1351	129
15°	1315	1308	1310	1308	1308	371
25°	1225	1217	1214	1204	1201	564
35°	1075	1067	1058	1044	1037	672
45°	878	870	856	838	829	676
55°	649	644	624	604	594	580
65°	400	395	372	356	348	395
75°	159	155	153	147	137	173
85°	24	24	20	19	18	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1356.9	1356.9	1356.9	1356.9	1356.9
2.5°	1360.3	1354.2	1356.9	1356.9	1353.5
5°	1356.2	1350.8	1354.2	1352.9	1350.8
7.5°	1350.2	1344.8	1346.8	1346.1	1345.5
10°	1340.8	1335.4	1338.1	1336.7	1335.4
12.5°	1328.7	1323.3	1326.0	1324.0	1322.6
15°	1314.6	1308.5	1310.5	1308.5	1307.8
17.5°	1297.1	1291.0	1291.7	1289.0	1286.3
20°	1275.6	1270.2	1270.9	1264.2	1261.5
22.5°	1250.7	1245.3	1244.7	1235.9	1232.6
25°	1225.2	1217.1	1214.4	1203.7	1201.0
27.5°	1192.9	1185.5	1181.5	1170.1	1164.7
30°	1158.6	1150.6	1143.9	1131.1	1125.7
32.5°	1119.7	1111.6	1102.9	1089.4	1083.4
35°	1074.6	1067.2	1058.5	1044.4	1037.0
37.5°	1029.6	1021.5	1012.8	996.0	989.9
40°	979.9	972.5	963.1	944.9	938.2
42.5°	930.1	921.4	910.0	892.5	885.1
45°	877.7	869.7	856.2	838.1	829.3
47.5°	822.6	815.9	801.8	782.3	772.9
50°	764.8	759.4	744.6	723.1	714.4
52.5°	709.7	702.3	685.5	664.0	654.6
55°	649.2	644.5	623.7	603.5	594.1
57.5°	588.7	582.7	561.8	541.7	532.9
60°	526.9	521.5	499.3	479.2	468.4
62.5°	464.4	458.3	434.8	416.7	406.6
65°	399.9	395.2	371.7	355.5	347.5
67.5°	335.4	332.0	307.1	293.7	287.6
70°	272.2	267.5	248.0	242.6	268.2
72.5°	213.7	207.7	190.9	182.1	175.4
75°	158.6	155.2	152.6	147.2	137.1
77.5°	111.6	110.9	101.5	94.1	101.5
80°	76.6	79.3	68.6	62.5	65.2
82.5°	47.0	52.4	41.0	36.3	34.9
85°	23.5	24.2	20.2	18.8	18.1
87.5°	8.7	10.1	8.7	7.4	7.4
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)