

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: P505911

Luminaire Tested: **14PD-35-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PW1-L850
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

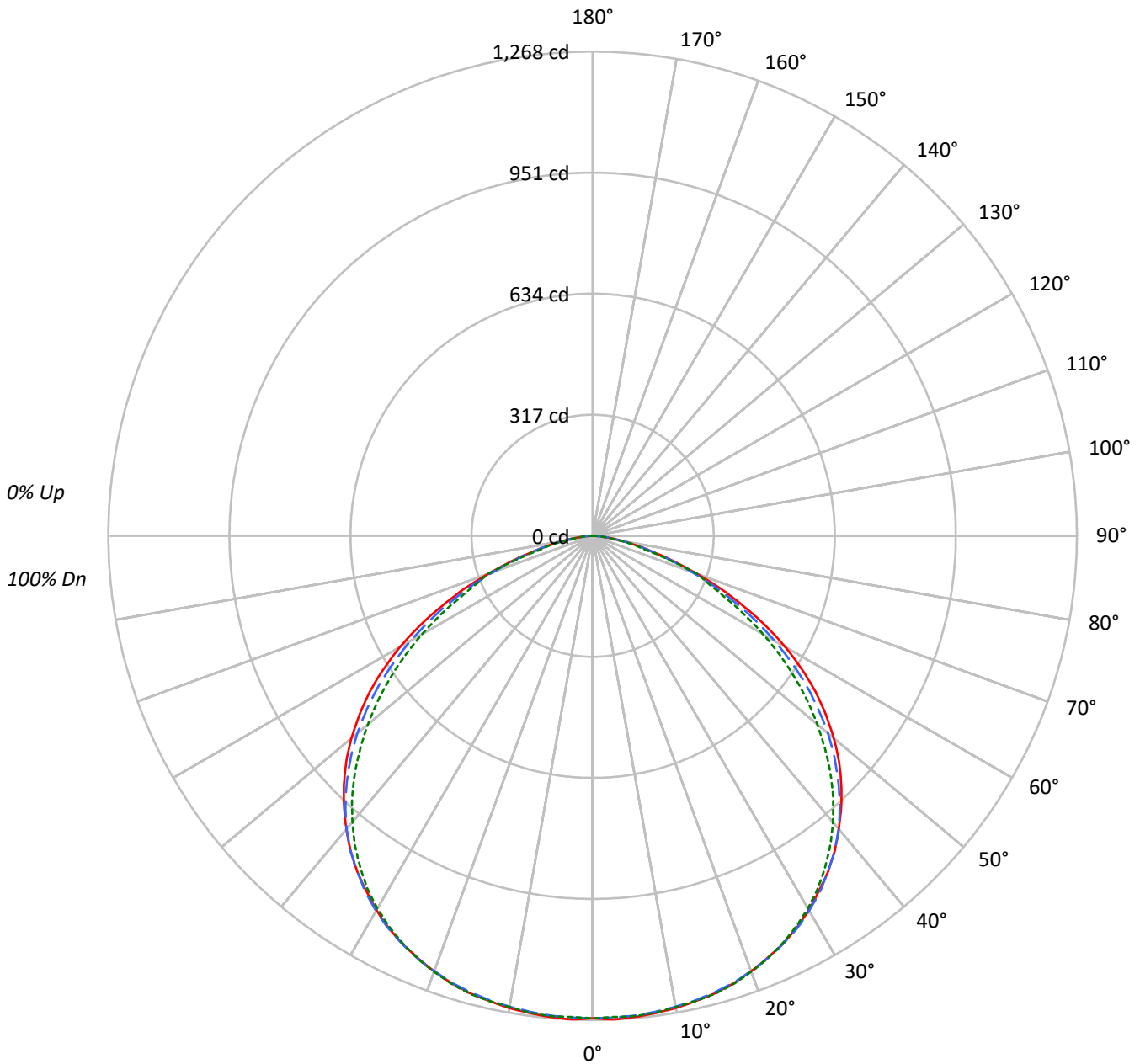
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3598.7 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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			100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3400	3400	3400
5°	3417	3408	3411
10°	3431	3422	3424
15°	3455	3447	3459
20°	3475	3473	3480
25°	3502	3502	3495
30°	3518	3525	3503
35°	3529	3529	3485
40°	3523	3521	3438
45°	3504	3463	3352
50°	3451	3367	3215
55°	3345	3204	3029
60°	3133	2960	2775
65°	2774	2615	2443
70°	2265	2164	2282
75°	1708	1678	1508
80°	1229	1151	1151
85°	772	729	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	3.3
10°-20°	349.8	9.7
20°-30°	543.0	15.1
30°-40°	668.8	18.6
40°-50°	696.3	19.3
50°-60°	605.5	16.8
60°-70°	406.8	11.3
70°-80°	176.1	4.9
80°-90°	32.3	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°	1013.0	28.1
0°-40°	1681.8	46.7
0°-60°	2983.6	82.9
0°-90°	3598.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3598.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1265	1257	1262	1264	1263	120
15°	1240	1232	1237	1242	1242	350
25°	1179	1174	1179	1179	1177	543
35°	1074	1072	1074	1065	1061	671
45°	921	918	910	889	881	709
55°	713	700	683	656	646	634
65°	436	428	411	391	384	432
75°	164	166	161	165	145	181
85°	25	26	24	21	21	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.6	1263.6	1263.6	1263.6	1263.6
2.5°	1267.9	1260.1	1262.9	1267.2	1261.5
5°	1265.1	1257.2	1261.5	1264.3	1262.9
7.5°	1260.8	1255.1	1257.2	1260.1	1259.3
10°	1255.8	1250.1	1252.2	1255.1	1252.9
12.5°	1247.9	1241.5	1245.8	1248.6	1247.9
15°	1240.1	1231.5	1237.2	1241.5	1241.5
17.5°	1228.6	1221.5	1227.2	1230.8	1230.1
20°	1213.6	1208.6	1212.9	1215.8	1215.1
22.5°	1196.5	1192.9	1197.9	1197.9	1197.9
25°	1179.3	1173.6	1179.3	1179.3	1177.2
27.5°	1157.2	1152.2	1159.3	1157.2	1153.6
30°	1132.2	1129.3	1134.3	1130.8	1127.2
32.5°	1102.9	1101.5	1106.5	1099.3	1096.5
35°	1074.3	1071.5	1074.3	1065.1	1060.8
37.5°	1040.8	1037.9	1040.8	1028.6	1022.2
40°	1002.9	1000.8	1002.2	986.5	978.6
42.5°	963.6	961.5	957.9	938.6	932.2
45°	920.8	917.9	910.0	889.3	880.8
47.5°	875.0	870.0	858.6	836.5	825.0
50°	824.3	817.2	804.3	780.0	767.9
52.5°	769.3	760.8	744.3	720.0	708.6
55°	712.9	700.0	682.9	655.7	645.7
57.5°	648.6	635.0	617.2	592.2	580.7
60°	582.2	568.6	550.0	527.2	515.7
62.5°	511.5	499.3	480.7	459.3	449.3
65°	435.7	427.9	410.7	391.4	383.6
67.5°	364.3	356.4	342.2	325.7	328.6
70°	287.9	287.2	275.0	263.6	290.0
72.5°	224.3	222.9	216.4	210.7	209.3
75°	164.3	165.7	161.4	165.0	145.0
77.5°	115.7	117.1	116.4	106.4	111.4
80°	79.3	79.3	74.3	70.7	74.3
82.5°	47.9	57.1	51.4	42.1	40.7
85°	25.0	25.7	23.6	20.7	20.7
87.5°	9.3	10.7	9.3	8.6	7.9
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)