

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: P505909

Luminaire Tested: **14PD-35-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505909
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-L835
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

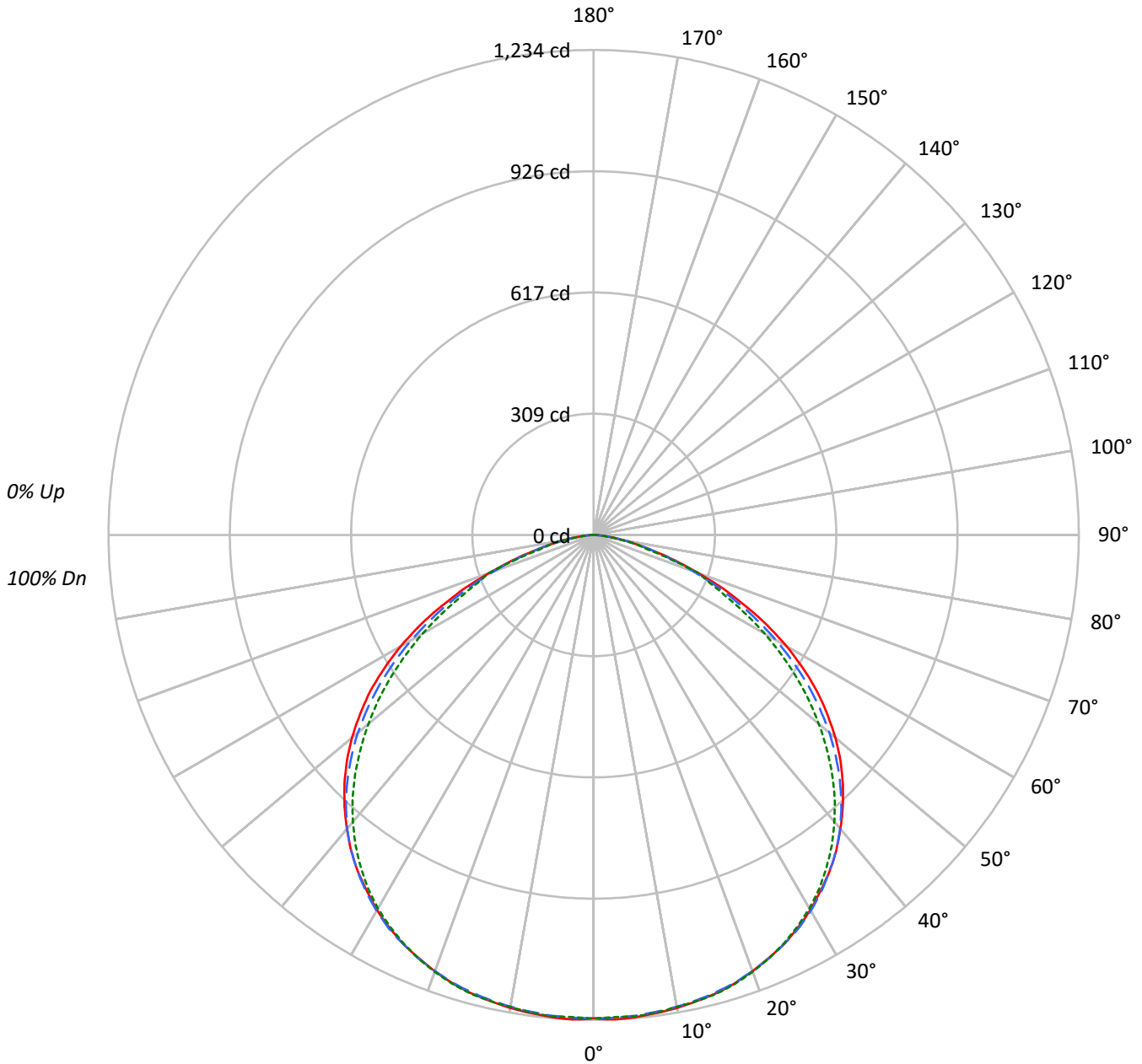
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3503.3 lumens
Efficiency: N/A
Efficacy: 110.2 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			
1	110	105	101	97	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	77	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3310	3310	3310
5°	3327	3317	3321
10°	3340	3331	3333
15°	3363	3355	3367
20°	3383	3381	3387
25°	3409	3409	3403
30°	3425	3431	3410
35°	3436	3436	3392
40°	3430	3427	3347
45°	3411	3371	3263
50°	3360	3278	3129
55°	3256	3119	2949
60°	3050	2882	2702
65°	2701	2546	2378
70°	2205	2106	2221
75°	1663	1634	1468
80°	1196	1120	1120
85°	750	707	624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	3.3
10°-20°	340.5	9.7
20°-30°	528.6	15.1
30°-40°	651.1	18.6
40°-50°	677.8	19.3
50°-60°	589.5	16.8
60°-70°	396.0	11.3
70°-80°	171.4	4.9
80°-90°	31.4	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°	986.1	28.1
0°-40°	1637.2	46.7
0°-60°	2904.4	82.9
0°-90°	3503.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3503.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1232	1224	1228	1231	1229	117
15°	1207	1199	1204	1209	1209	341
25°	1148	1142	1148	1148	1146	529
35°	1046	1043	1046	1037	1033	654
45°	896	894	886	866	857	690
55°	694	682	665	638	629	617
65°	424	416	400	381	373	420
75°	160	161	157	161	141	176
85°	24	25	23	20	20	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1230.1	1230.1	1230.1	1230.1	1230.1
2.5°	1234.3	1226.6	1229.4	1233.6	1228.0
5°	1231.5	1223.9	1228.0	1230.8	1229.4
7.5°	1227.3	1221.8	1223.9	1226.6	1225.9
10°	1222.5	1216.9	1219.0	1221.8	1219.7
12.5°	1214.8	1208.6	1212.7	1215.5	1214.8
15°	1207.2	1198.8	1204.4	1208.6	1208.6
17.5°	1196.0	1189.1	1194.6	1198.1	1197.4
20°	1181.4	1176.6	1180.7	1183.5	1182.8
22.5°	1164.7	1161.3	1166.1	1166.1	1166.1
25°	1148.1	1142.5	1148.1	1148.1	1146.0
27.5°	1126.5	1121.6	1128.6	1126.5	1123.0
30°	1102.2	1099.4	1104.2	1100.8	1097.3
32.5°	1073.7	1072.3	1077.1	1070.2	1067.4
35°	1045.8	1043.1	1045.8	1036.8	1032.6
37.5°	1013.2	1010.4	1013.2	1001.3	995.1
40°	976.3	974.2	975.6	960.3	952.7
42.5°	938.1	936.0	932.5	913.7	907.5
45°	896.3	893.6	885.9	865.7	857.4
47.5°	851.8	847.0	835.8	814.3	803.2
50°	802.5	795.5	783.0	759.3	747.5
52.5°	748.9	740.6	724.6	700.9	689.8
55°	694.0	681.5	664.8	638.4	628.6
57.5°	631.4	618.2	600.8	576.5	565.3
60°	566.7	553.5	535.4	513.2	502.1
62.5°	497.9	486.1	468.0	447.1	437.4
65°	424.2	416.5	399.8	381.1	373.4
67.5°	354.6	347.0	333.1	317.1	319.9
70°	280.2	279.5	267.7	256.6	282.3
72.5°	218.3	217.0	210.7	205.1	203.7
75°	159.9	161.3	157.2	160.6	141.2
77.5°	112.7	114.0	113.3	103.6	108.5
80°	77.2	77.2	72.3	68.8	72.3
82.5°	46.6	55.6	50.1	41.0	39.6
85°	24.3	25.0	22.9	20.2	20.2
87.5°	9.0	10.4	9.0	8.3	7.6
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)