

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: P505900

Luminaire Tested: **14PD-35-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505900
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-L835
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

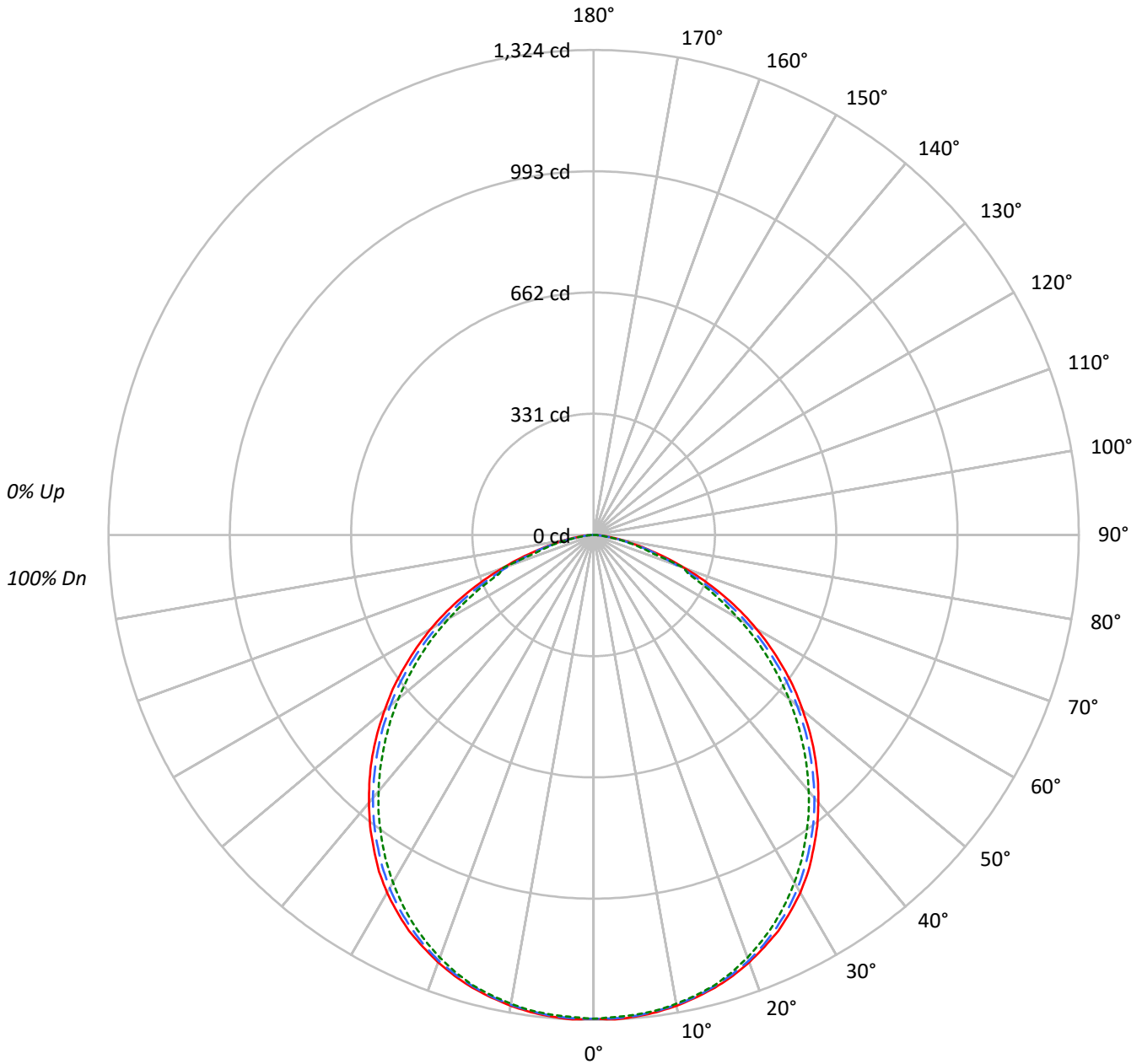
Lumens per Lamp: N/A
Luminaire Lumens: 3399.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	3554	3554	3554
5°	3566	3561	3552
10°	3566	3559	3552
15°	3565	3554	3546
20°	3556	3542	3516
25°	3541	3510	3471
30°	3504	3460	3405
35°	3436	3385	3316
40°	3351	3293	3208
45°	3251	3172	3072
50°	3116	3034	2911
55°	2965	2848	2713
60°	2760	2616	2454
65°	2478	2304	2153
70°	2084	1899	2054
75°	1605	1544	1387
80°	1156	1034	984
85°	707	605	546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	3.7
10°-20°	359.7	10.6
20°-30°	543.3	16.0
30°-40°	642.7	18.9
40°-50°	640.8	18.9
50°-60°	541.4	15.9
60°-70°	360.7	10.6
70°-80°	156.7	4.6
80°-90°	28.4	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°	1028.1	30.2
0°-40°	1670.9	49.2
0°-60°	2853.1	83.9
0°-90°	3399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1321	1321	1321	1321	1321	
5°	1320	1315	1318	1317	1315	126
15°	1280	1274	1276	1274	1273	361
25°	1192	1185	1182	1172	1169	549
35°	1046	1039	1030	1017	1009	654
45°	854	846	833	816	807	658
55°	632	627	607	587	578	564
65°	389	385	362	346	338	385
75°	154	151	148	143	133	169
85°	23	24	20	18	18	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.8	1320.8	1320.8	1320.8	1320.8
2.5°	1324.0	1318.1	1320.8	1320.8	1317.5
5°	1320.1	1314.9	1318.1	1316.8	1314.9
7.5°	1314.2	1309.0	1310.9	1310.3	1309.6
10°	1305.1	1299.8	1302.4	1301.1	1299.8
12.5°	1293.3	1288.1	1290.7	1288.7	1287.4
15°	1279.5	1273.7	1275.6	1273.7	1273.0
17.5°	1262.5	1256.7	1257.3	1254.7	1252.1
20°	1241.6	1236.4	1237.0	1230.5	1227.9
22.5°	1217.4	1212.2	1211.5	1203.0	1199.7
25°	1192.5	1184.7	1182.1	1171.6	1169.0
27.5°	1161.1	1153.9	1150.0	1138.9	1133.7
30°	1127.8	1119.9	1113.4	1101.0	1095.7
32.5°	1089.8	1082.0	1073.5	1060.4	1054.5
35°	1046.0	1038.8	1030.3	1016.6	1009.4
37.5°	1002.2	994.3	985.8	969.5	963.6
40°	953.8	946.6	937.4	919.8	913.2
42.5°	905.4	896.9	885.7	868.7	861.5
45°	854.3	846.5	833.4	815.7	807.2
47.5°	800.7	794.2	780.4	761.4	752.3
50°	744.4	739.2	724.8	703.9	695.4
52.5°	690.8	683.6	667.2	646.3	637.2
55°	631.9	627.3	607.1	587.4	578.3
57.5°	573.0	567.2	546.9	527.3	518.8
60°	512.9	507.6	486.0	466.4	456.0
62.5°	452.0	446.1	423.2	405.6	395.8
65°	389.2	384.6	361.8	346.1	338.2
67.5°	326.4	323.2	299.0	285.9	280.0
70°	264.9	260.4	241.4	236.2	261.0
72.5°	208.0	202.1	185.8	177.3	170.7
75°	154.4	151.1	148.5	143.3	133.4
77.5°	108.6	107.9	98.8	91.6	98.8
80°	74.6	77.2	66.7	60.8	63.5
82.5°	45.8	51.0	39.9	35.3	34.0
85°	22.9	23.5	19.6	18.3	17.7
87.5°	8.5	9.8	8.5	7.2	7.2
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)