

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: P505892

Luminaire Tested: **14PD-35-PL1-L840**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P505892  
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-L840  
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

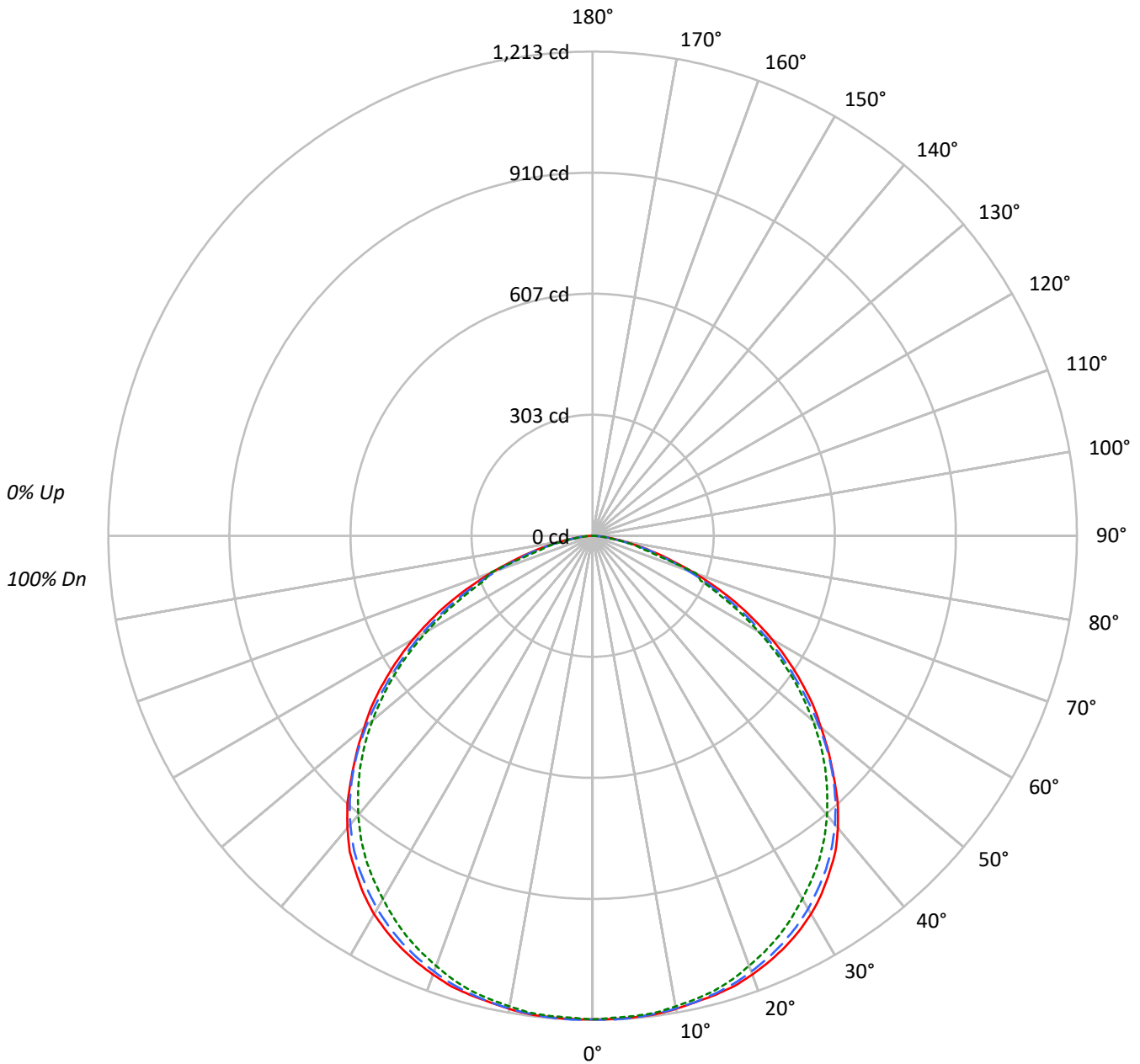
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3367.8 lumens  
Efficiency: N/A  
Efficacy: 105.9 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<sub>in</sub>): 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	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	100	100	100	100		
	1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85	85	85	85	85	85		
	2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72	72	72	72	72	72		
	3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61	61	61	61	61	61		
	4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52	52	52	52	52	52		
	5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45	45	45	45	45	45		
	6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40	40	40	40	40	40		
	7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35	35	35	35	35	35		
	8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31	31	31	31	31	31		
	9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	28	28	28	28	28		
	10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25	25	25	25	25	25		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3261	3261	3261
5°	3271	3273	3263
10°	3289	3286	3271
15°	3317	3307	3287
20°	3350	3327	3283
25°	3379	3345	3282
30°	3401	3354	3265
35°	3393	3349	3253
40°	3357	3317	3207
45°	3249	3239	3135
50°	3126	3098	3014
55°	2991	2903	2838
60°	2793	2668	2578
65°	2517	2360	2233
70°	2105	1974	2168
75°	1660	1598	1384
80°	1196	1062	1083
85°	760	636	596



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.2	3.4
10°-20°	334.9	9.9
20°-30°	517.8	15.4
30°-40°	633.7	18.8
40°-50°	649.7	19.3
50°-60°	553.3	16.4
60°-70°	369.8	11.0
70°-80°	163.9	4.9
80°-90°	29.6	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°	967.9	28.7
0°-40°	1601.6	47.6
0°-60°	2804.6	83.3
0°-90°	3367.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3367.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1211	1208	1212	1211	1208	115
15°	1190	1186	1187	1184	1180	337
25°	1138	1134	1127	1112	1105	525
35°	1033	1030	1019	997	990	646
45°	854	856	851	832	824	659
55°	638	634	619	606	605	569
65°	395	392	371	354	351	390
75°	160	162	154	154	133	173
85°	25	24	21	20	19	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1211.7	1209.8	1213.1	1214.4	1208.4
5°	1211.1	1208.4	1211.7	1211.1	1207.8
7.5°	1209.1	1204.4	1207.8	1206.4	1205.1
10°	1203.8	1199.8	1202.4	1200.4	1197.1
12.5°	1196.4	1193.8	1195.8	1193.8	1189.1
15°	1190.5	1186.5	1187.1	1183.8	1179.8
17.5°	1182.5	1176.5	1176.5	1169.8	1165.2
20°	1169.8	1164.5	1161.8	1152.5	1146.5
22.5°	1155.2	1151.2	1145.9	1133.9	1127.2
25°	1137.9	1133.9	1126.6	1111.9	1105.3
27.5°	1117.9	1112.6	1104.6	1087.3	1079.3
30°	1094.6	1088.0	1079.3	1060.0	1050.7
32.5°	1066.0	1061.4	1050.0	1030.1	1021.4
35°	1032.7	1030.1	1019.4	996.8	990.2
37.5°	998.8	993.5	984.2	960.2	953.6
40°	955.6	952.2	944.2	921.0	913.0
42.5°	909.0	907.0	900.3	878.4	869.7
45°	853.7	856.4	851.1	831.8	823.8
47.5°	801.2	799.8	797.9	780.5	773.9
50°	746.6	744.0	740.0	726.0	720.0
52.5°	695.4	690.1	679.4	667.4	663.4
55°	637.5	634.2	618.8	606.2	604.9
57.5°	578.9	576.9	558.3	543.7	543.7
60°	519.0	516.4	495.7	480.4	479.1
62.5°	456.5	454.5	433.2	415.9	416.6
65°	395.3	391.9	370.6	354.0	350.7
67.5°	331.4	330.1	309.4	294.1	292.8
70°	267.5	267.5	250.9	237.6	275.5
72.5°	210.9	208.9	195.6	189.6	181.0
75°	159.7	161.7	153.7	154.4	133.1
77.5°	113.8	110.5	107.1	99.8	105.8
80°	77.2	75.2	68.5	66.5	69.9
82.5°	47.9	48.6	42.6	38.6	37.9
85°	24.6	24.0	20.6	20.0	19.3
87.5°	9.3	10.0	8.7	8.0	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)