

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: P505906

Luminaire Tested: **14PD-35-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505906
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-L940
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

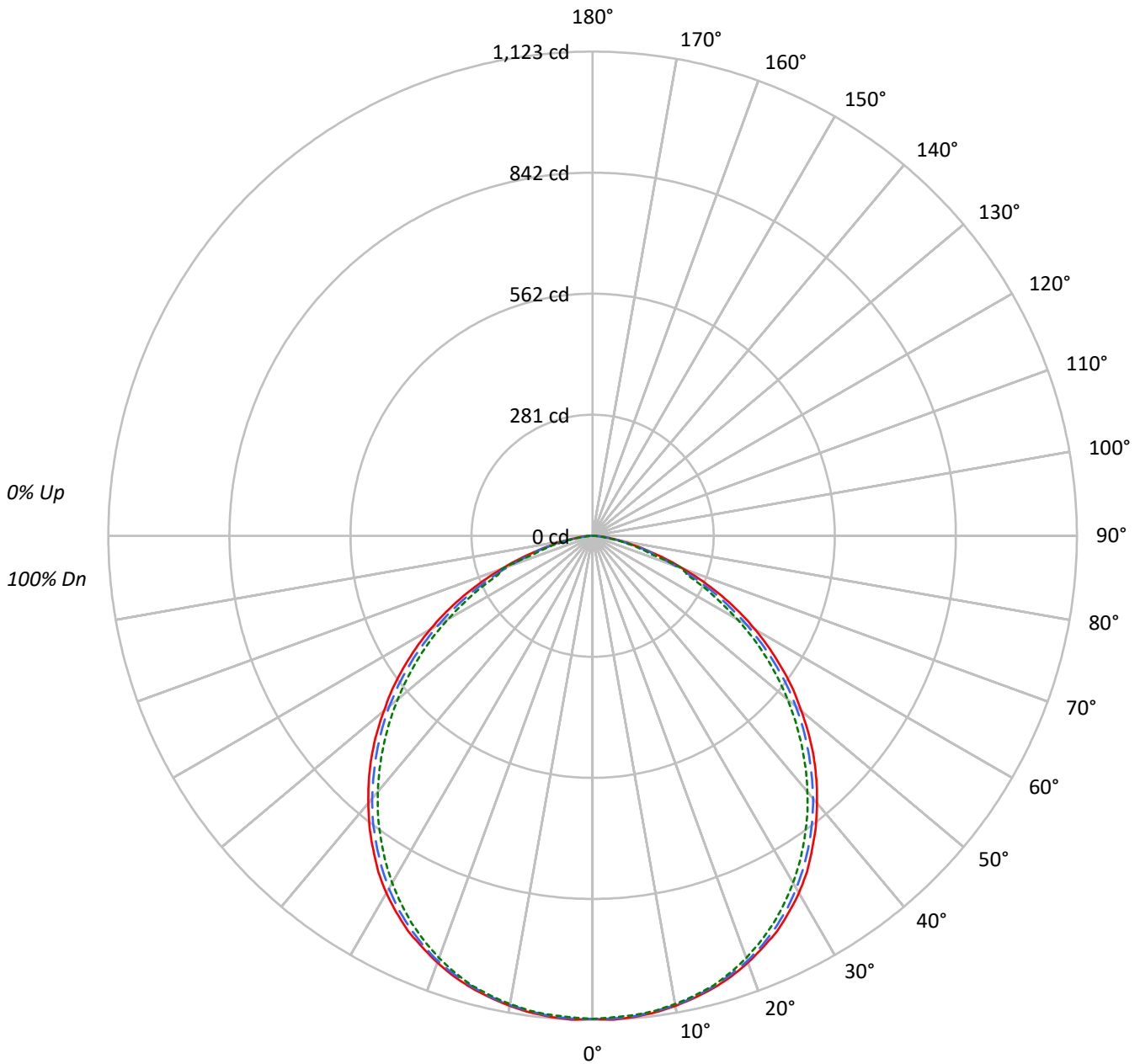
Lumens per Lamp: N/A
Luminaire Lumens: 2884.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3016	3016	3016
5°	3026	3021	3014
10°	3026	3020	3014
15°	3025	3015	3009
20°	3017	3006	2983
25°	3004	2978	2945
30°	2973	2935	2889
35°	2916	2872	2813
40°	2843	2794	2722
45°	2759	2691	2606
50°	2644	2575	2470
55°	2516	2417	2302
60°	2342	2220	2082
65°	2103	1954	1827
70°	1769	1611	1743
75°	1362	1310	1177
80°	981	877	834
85°	599	516	463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.7
10°-20°	305.2	10.6
20°-30°	461.0	16.0
30°-40°	545.4	18.9
40°-50°	543.7	18.9
50°-60°	459.4	15.9
60°-70°	306.1	10.6
70°-80°	133.0	4.6
80°-90°	24.1	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°	872.4	30.2
0°-40°	1417.7	49.2
0°-60°	2420.8	83.9
0°-90°	2884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1120	1116	1118	1117	1116	107
15°	1086	1081	1082	1081	1080	306
25°	1012	1005	1003	994	992	466
35°	888	881	874	862	856	555
45°	725	718	707	692	685	558
55°	536	532	515	498	491	479
65°	330	326	307	294	287	326
75°	131	128	126	122	113	143
85°	19	20	17	16	15	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.6	1120.6	1120.6	1120.6	1120.6
2.5°	1123.4	1118.4	1120.6	1120.6	1117.9
5°	1120.1	1115.6	1118.4	1117.3	1115.6
7.5°	1115.1	1110.7	1112.3	1111.8	1111.2
10°	1107.3	1102.9	1105.1	1104.0	1102.9
12.5°	1097.3	1092.9	1095.1	1093.4	1092.3
15°	1085.7	1080.7	1082.3	1080.7	1080.1
17.5°	1071.2	1066.2	1066.8	1064.6	1062.4
20°	1053.5	1049.0	1049.6	1044.0	1041.8
22.5°	1032.9	1028.5	1028.0	1020.7	1018.0
25°	1011.9	1005.2	1003.0	994.1	991.9
27.5°	985.2	979.1	975.8	966.3	961.9
30°	956.9	950.2	944.7	934.1	929.7
32.5°	924.7	918.1	910.8	899.7	894.7
35°	887.5	881.4	874.2	862.5	856.4
37.5°	850.3	843.7	836.5	822.6	817.6
40°	809.3	803.2	795.4	780.4	774.8
42.5°	768.2	761.0	751.5	737.1	731.0
45°	724.9	718.2	707.1	692.1	684.9
47.5°	679.4	673.8	662.2	646.1	638.3
50°	631.6	627.2	615.0	597.2	590.0
52.5°	586.1	580.0	566.2	548.4	540.6
55°	536.2	532.3	515.1	498.4	490.7
57.5°	486.2	481.2	464.0	447.4	440.2
60°	435.2	430.7	412.4	395.8	386.9
62.5°	383.5	378.5	359.1	344.1	335.8
65°	330.3	326.4	306.9	293.6	287.0
67.5°	277.0	274.2	253.7	242.6	237.6
70°	224.8	220.9	204.8	200.4	221.5
72.5°	176.5	171.5	157.6	150.4	144.9
75°	131.0	128.2	126.0	121.6	113.2
77.5°	92.1	91.6	83.8	77.7	83.8
80°	63.3	65.5	56.6	51.6	53.8
82.5°	38.9	43.3	33.9	30.0	28.9
85°	19.4	20.0	16.7	15.5	15.0
87.5°	7.2	8.3	7.2	6.1	6.1
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)