

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: P505897

Luminaire Tested: **14PD-35-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505897
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-L940
Description: 3500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

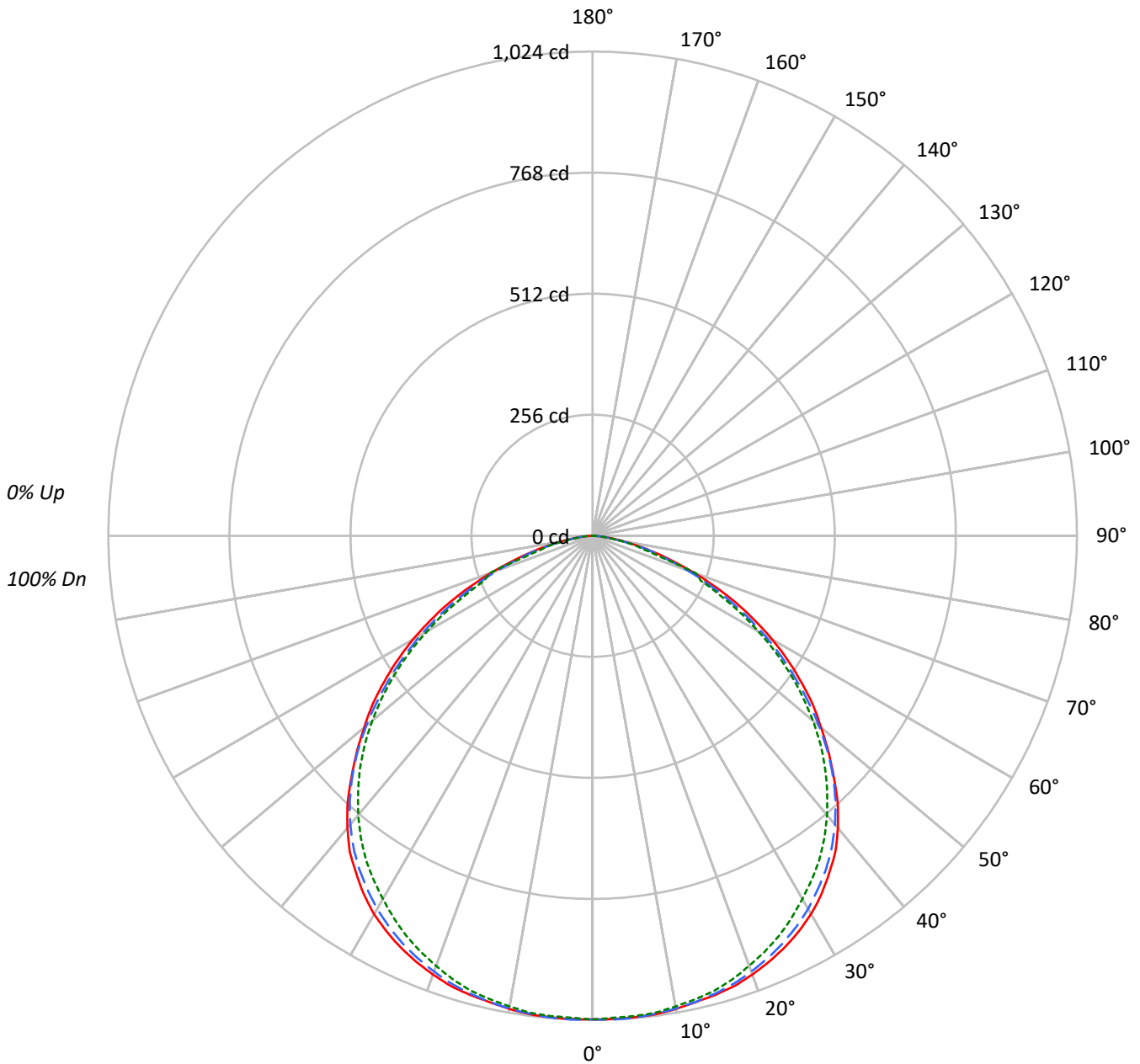
Lumens per Lamp: N/A
Luminaire Lumens: 2843.1 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
Input Voltage (V): NR
Input Current (A_{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	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2753	2753	2753
5°	2762	2763	2754
10°	2777	2774	2761
15°	2800	2792	2775
20°	2828	2809	2772
25°	2852	2824	2771
30°	2871	2831	2756
35°	2864	2827	2746
40°	2834	2800	2707
45°	2743	2734	2646
50°	2639	2615	2545
55°	2525	2451	2396
60°	2358	2252	2177
65°	2125	1992	1885
70°	1777	1666	1830
75°	1402	1350	1168
80°	1010	897	914
85°	642	537	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.4
10°-20°	282.7	9.9
20°-30°	437.1	15.4
30°-40°	535.0	18.8
40°-50°	548.4	19.3
50°-60°	467.1	16.4
60°-70°	312.1	11.0
70°-80°	138.3	4.9
80°-90°	25.0	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°	817.1	28.7
0°-40°	1352.0	47.6
0°-60°	2367.5	83.3
0°-90°	2843.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2843.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1023	1023	1023	1023	1023	
5°	1022	1020	1023	1022	1020	97
15°	1005	1002	1002	999	996	284
25°	961	957	951	939	933	443
35°	872	870	861	842	836	545
45°	721	723	718	702	695	556
55°	538	535	522	512	511	480
65°	334	331	313	299	296	329
75°	135	136	130	130	112	146
85°	21	20	17	17	16	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.9	1022.9	1022.9	1022.9	1022.9
2.5°	1022.9	1021.2	1024.1	1025.2	1020.1
5°	1022.4	1020.1	1022.9	1022.4	1019.6
7.5°	1020.7	1016.8	1019.6	1018.4	1017.3
10°	1016.2	1012.8	1015.1	1013.4	1010.6
12.5°	1010.0	1007.8	1009.4	1007.8	1003.8
15°	1005.0	1001.6	1002.1	999.3	996.0
17.5°	998.2	993.2	993.2	987.5	983.6
20°	987.5	983.0	980.8	972.9	967.9
22.5°	975.2	971.8	967.3	957.2	951.6
25°	960.6	957.2	951.0	938.7	933.1
27.5°	943.7	939.2	932.5	917.9	911.1
30°	924.1	918.4	911.1	894.9	887.0
32.5°	899.9	896.0	886.4	869.6	862.3
35°	871.8	869.6	860.6	841.5	835.9
37.5°	843.2	838.7	830.8	810.6	805.0
40°	806.7	803.9	797.1	777.4	770.7
42.5°	767.3	765.7	760.0	741.5	734.2
45°	720.7	723.0	718.5	702.2	695.4
47.5°	676.3	675.2	673.5	658.9	653.3
50°	630.3	628.0	624.7	612.9	607.8
52.5°	587.0	582.5	573.5	563.4	560.1
55°	538.1	535.3	522.4	511.7	510.6
57.5°	488.7	487.0	471.3	458.9	458.9
60°	438.2	435.9	418.5	405.6	404.5
62.5°	385.4	383.7	365.7	351.1	351.7
65°	333.7	330.9	312.9	298.8	296.0
67.5°	279.7	278.6	261.2	248.3	247.2
70°	225.8	225.8	211.8	200.5	232.6
72.5°	178.1	176.4	165.2	160.1	152.8
75°	134.8	136.5	129.8	130.3	112.3
77.5°	96.1	93.2	90.4	84.3	89.3
80°	65.2	63.5	57.9	56.2	59.0
82.5°	40.4	41.0	36.0	32.6	32.0
85°	20.8	20.2	17.4	16.9	16.3
87.5°	7.9	8.4	7.3	6.7	6.2
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)