

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: P506247

Luminaire Tested: **22PD-35-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PL1-L935
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

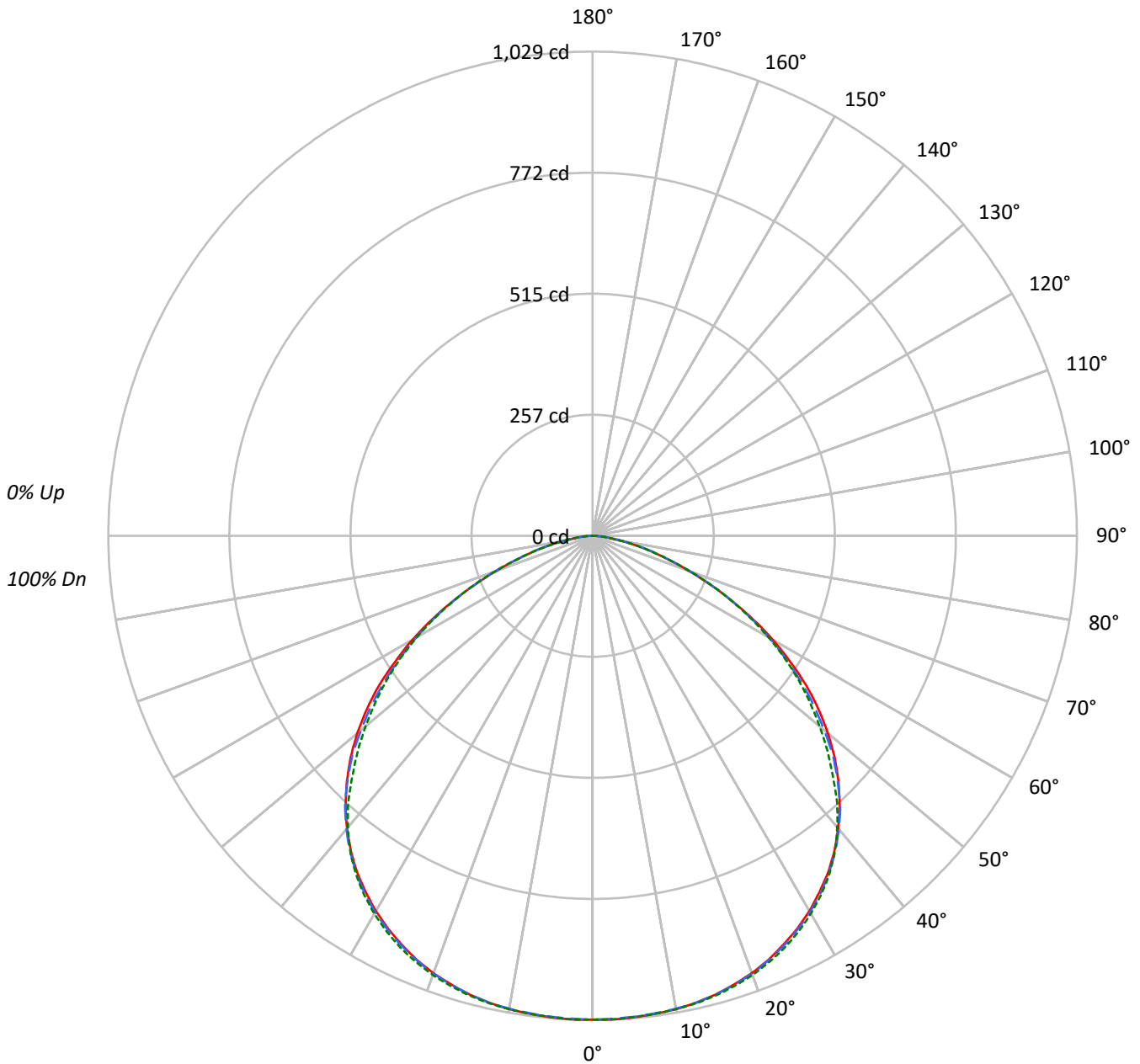
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2912.2 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2767	2767	2767
5°	2774	2771	2772
10°	2792	2789	2792
15°	2812	2812	2818
20°	2832	2835	2845
25°	2847	2854	2868
30°	2862	2871	2882
35°	2866	2876	2882
40°	2851	2859	2841
45°	2810	2802	2746
50°	2731	2689	2634
55°	2599	2533	2503
60°	2379	2334	2321
65°	2074	2070	2063
70°	1700	1729	1723
75°	1347	1370	1347
80°	987	982	976
85°	661	648	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	3.4
10°-20°	285.3	9.8
20°-30°	443.4	15.2
30°-40°	546.6	18.8
40°-50°	564.6	19.4
50°-60°	483.1	16.6
60°-70°	322.5	11.1
70°-80°	141.5	4.9
80°-90°	27.4	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°	826.5	28.4
0°-40°	1373.1	47.2
0°-60°	2420.9	83.1
0°-90°	2912.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2912.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1027	1026	1026	1025	1026	98
15°	1009	1008	1009	1010	1012	285
25°	959	959	961	964	966	442
35°	872	872	875	877	877	545
45°	738	738	736	730	722	569
55°	554	547	540	537	534	492
65°	326	325	325	326	324	323
75°	130	128	132	131	130	141
85°	21	21	21	22	22	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.2	1028.2	1028.2	1028.2	1028.2
2.5°	1028.9	1027.4	1027.1	1027.1	1028.9
5°	1027.1	1025.6	1026.0	1025.3	1026.3
7.5°	1024.5	1023.1	1023.4	1023.1	1024.5
10°	1021.6	1020.2	1020.5	1020.2	1021.6
12.5°	1016.6	1015.5	1016.2	1016.6	1017.7
15°	1009.3	1008.2	1009.3	1010.0	1011.5
17.5°	999.9	999.2	1000.3	1001.4	1003.2
20°	989.1	988.3	990.1	991.2	993.4
22.5°	975.7	974.9	976.7	979.3	980.7
25°	959.0	959.0	961.2	964.1	965.9
27.5°	941.3	940.9	943.4	946.3	948.1
30°	921.0	920.3	923.9	926.4	927.5
32.5°	897.5	897.8	901.1	903.6	904.0
35°	872.5	872.5	875.4	877.2	877.2
37.5°	843.9	843.5	846.4	847.1	846.1
40°	811.7	812.0	813.8	813.5	808.8
42.5°	776.9	777.3	778.7	773.6	768.9
45°	738.5	738.2	736.4	729.5	721.5
47.5°	697.6	695.8	692.9	682.4	676.6
50°	652.4	649.5	642.2	633.9	629.2
52.5°	604.6	599.5	592.3	585.8	581.8
55°	553.9	547.0	539.8	536.9	533.6
57.5°	497.4	493.1	486.9	485.5	483.3
60°	442.0	437.3	433.7	433.7	431.2
62.5°	384.1	381.2	379.8	380.5	378.0
65°	325.8	325.1	325.1	326.2	324.0
67.5°	269.3	270.8	270.4	274.1	271.2
70°	216.1	218.7	219.7	223.4	219.0
72.5°	170.2	170.5	172.0	173.0	170.9
75°	129.6	128.5	131.8	131.1	129.6
77.5°	93.8	93.0	94.1	94.9	93.0
80°	63.7	63.0	63.4	64.4	63.0
82.5°	40.2	39.5	39.5	40.5	40.2
85°	21.4	21.0	21.0	21.7	22.4
87.5°	7.6	7.2	7.6	7.6	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)