

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: P506248

Luminaire Tested: **22PD-35-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506248
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-L940
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

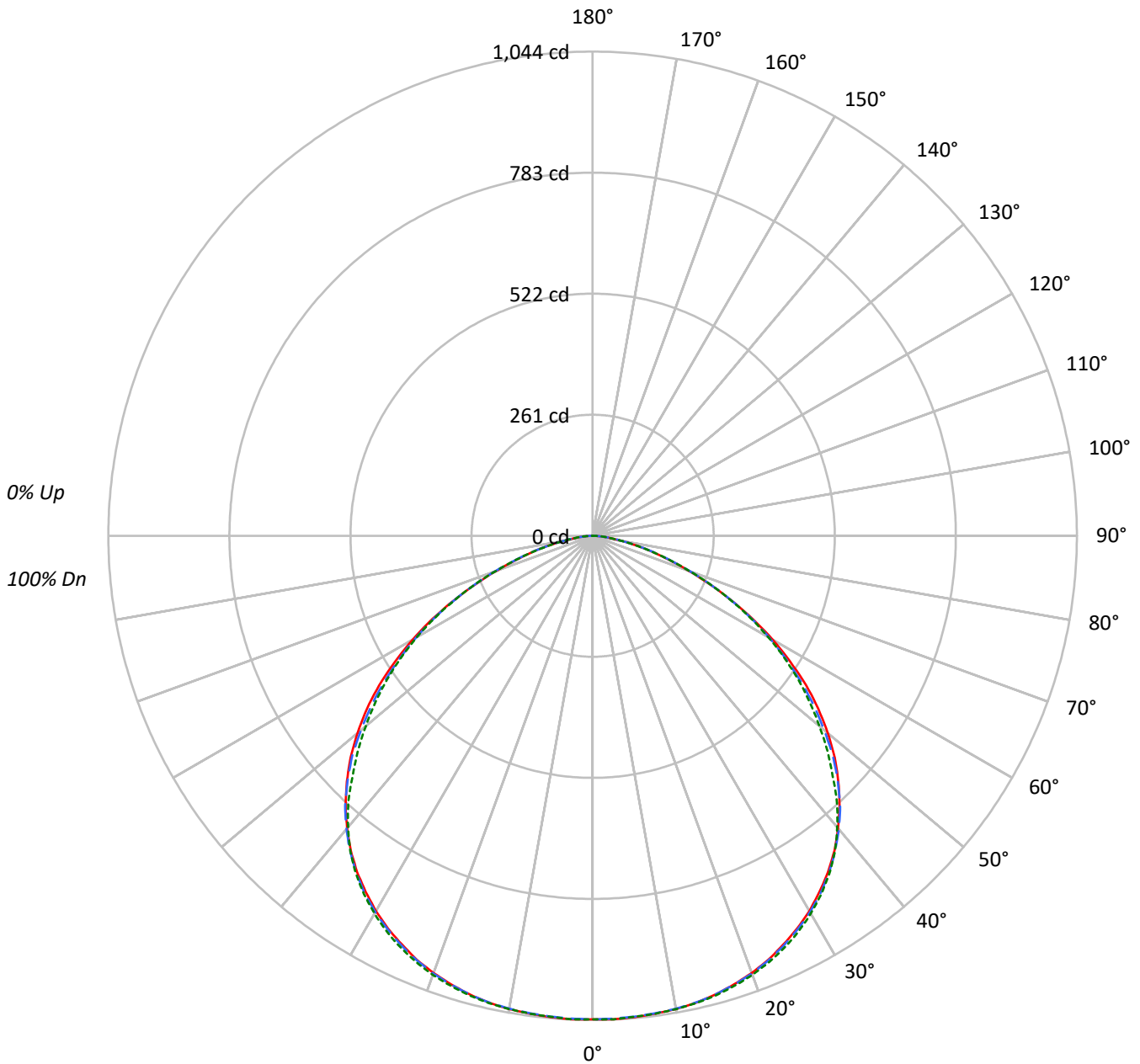
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2953.9 lumens
Efficiency: N/A
Efficacy: 102.6 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°	2806	2806	2806
5°	2814	2811	2812
10°	2832	2829	2832
15°	2852	2852	2858
20°	2873	2876	2885
25°	2888	2895	2909
30°	2903	2912	2923
35°	2907	2917	2923
40°	2892	2900	2882
45°	2851	2842	2785
50°	2770	2727	2672
55°	2636	2569	2540
60°	2413	2368	2354
65°	2104	2100	2093
70°	1725	1754	1748
75°	1367	1390	1367
80°	1001	996	990
85°	670	658	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	3.4
10°-20°	289.4	9.8
20°-30°	449.8	15.2
30°-40°	554.5	18.8
40°-50°	572.7	19.4
50°-60°	490.1	16.6
60°-70°	327.1	11.1
70°-80°	143.5	4.9
80°-90°	27.7	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°	838.3	28.4
0°-40°	1392.8	47.2
0°-60°	2455.5	83.1
0°-90°	2953.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2953.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1042	1040	1041	1040	1041	99
15°	1024	1023	1024	1024	1026	289
25°	973	973	975	978	980	449
35°	885	885	888	890	890	553
45°	749	749	747	740	732	577
55°	562	555	548	545	541	499
65°	330	330	330	331	329	328
75°	132	130	134	133	132	143
85°	22	21	21	22	23	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1042.9	1042.9	1042.9	1042.9	1042.9
2.5°	1043.6	1042.1	1041.8	1041.8	1043.6
5°	1041.8	1040.3	1040.7	1039.9	1041.0
7.5°	1039.2	1037.7	1038.1	1037.7	1039.2
10°	1036.3	1034.8	1035.2	1034.8	1036.3
12.5°	1031.1	1030.0	1030.8	1031.1	1032.2
15°	1023.8	1022.7	1023.8	1024.5	1026.0
17.5°	1014.2	1013.5	1014.6	1015.7	1017.5
20°	1003.2	1002.5	1004.3	1005.4	1007.6
22.5°	989.6	988.9	990.7	993.3	994.8
25°	972.7	972.7	974.9	977.9	979.7
27.5°	954.7	954.4	956.9	959.9	961.7
30°	934.2	933.4	937.1	939.7	940.8
32.5°	910.3	910.7	914.0	916.5	916.9
35°	885.0	885.0	887.9	889.7	889.7
37.5°	856.0	855.6	858.5	859.3	858.2
40°	823.3	823.6	825.5	825.1	820.3
42.5°	788.0	788.4	789.9	784.7	779.9
45°	749.1	748.7	746.9	739.9	731.8
47.5°	707.6	705.8	702.8	692.2	686.3
50°	661.7	658.8	651.4	643.0	638.2
52.5°	613.2	608.1	600.8	594.1	590.1
55°	561.8	554.9	547.5	544.6	541.3
57.5°	504.5	500.1	493.9	492.4	490.2
60°	448.4	443.6	439.9	439.9	437.3
62.5°	389.6	386.7	385.2	385.9	383.4
65°	330.5	329.8	329.8	330.9	328.7
67.5°	273.2	274.7	274.3	278.0	275.0
70°	219.2	221.8	222.9	226.6	222.2
72.5°	172.6	173.0	174.4	175.5	173.3
75°	131.5	130.4	133.7	132.9	131.5
77.5°	95.1	94.4	95.5	96.2	94.4
80°	64.6	63.9	64.3	65.4	63.9
82.5°	40.8	40.0	40.0	41.1	40.8
85°	21.7	21.3	21.3	22.0	22.8
87.5°	7.7	7.3	7.7	7.7	7.7
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)