

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: P505844

Luminaire Tested: **14PD-25-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505844
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-25-PL1-L950
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

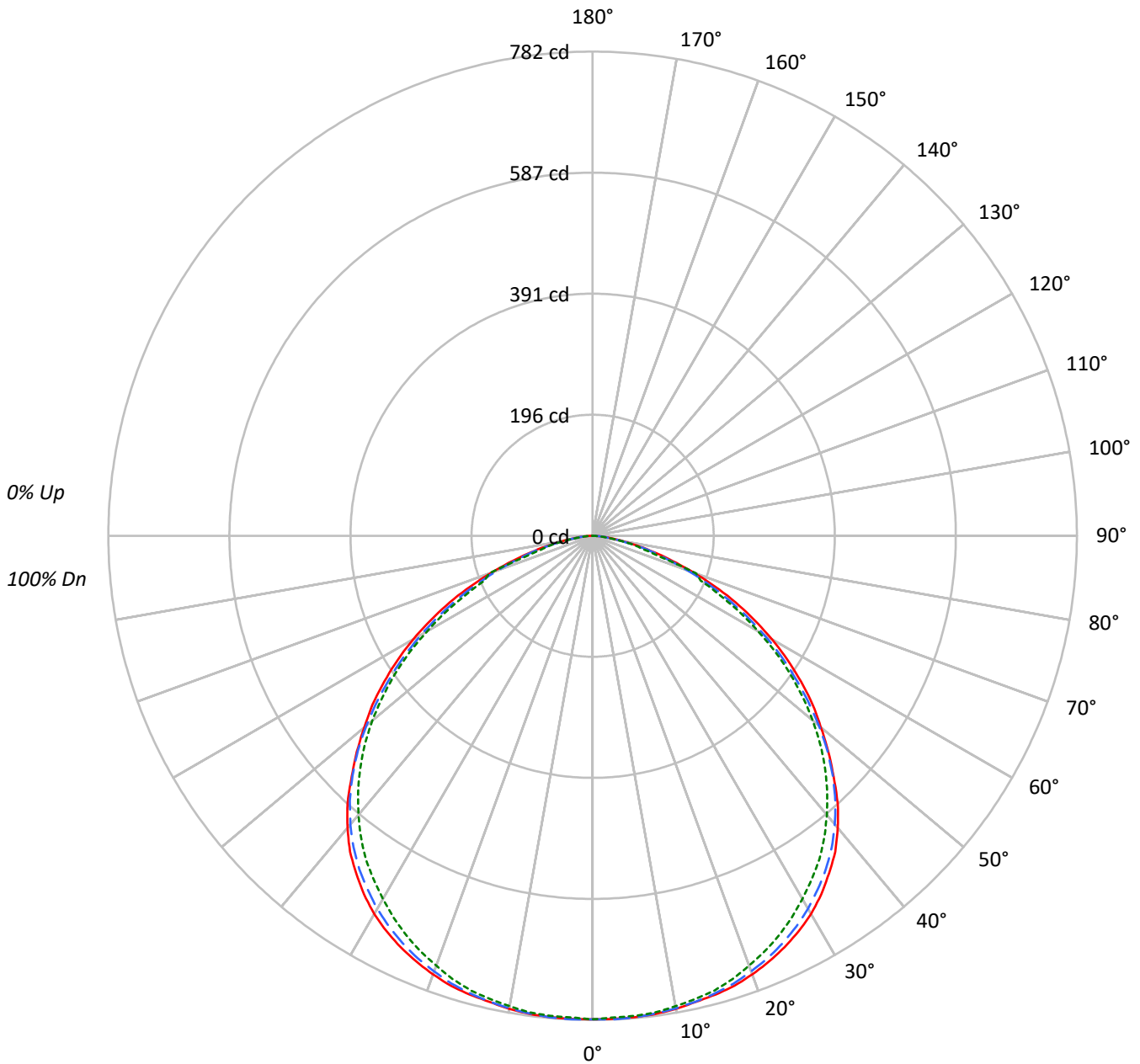
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2170.3 lumens
Efficiency: N/A
Efficacy: 95.6 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): 22.7
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°	2101	2101	2101
5°	2108	2109	2102
10°	2120	2117	2108
15°	2137	2131	2118
20°	2159	2144	2116
25°	2177	2156	2115
30°	2192	2161	2104
35°	2186	2158	2096
40°	2163	2138	2067
45°	2094	2087	2020
50°	2014	1996	1942
55°	1927	1871	1829
60°	1800	1720	1661
65°	1622	1521	1439
70°	1356	1272	1397
75°	1070	1030	892
80°	770	685	697
85°	491	411	383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	3.4
10°-20°	215.8	9.9
20°-30°	333.7	15.4
30°-40°	408.4	18.8
40°-50°	418.6	19.3
50°-60°	356.6	16.4
60°-70°	238.3	11.0
70°-80°	105.6	4.9
80°-90°	19.1	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°	623.7	28.7
0°-40°	1032.1	47.6
0°-60°	1807.3	83.3
0°-90°	2170.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2170.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	780	779	781	780	778	74
15°	767	765	765	763	760	217
25°	733	731	726	716	712	338
35°	666	664	657	642	638	416
45°	550	552	548	536	531	425
55°	411	409	399	391	390	367
65°	255	253	239	228	226	251
75°	103	104	99	100	86	111
85°	16	15	13	13	12	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	780.9	780.9	780.9	780.9	780.9
2.5°	780.9	779.6	781.7	782.6	778.7
5°	780.4	778.7	780.9	780.4	778.3
7.5°	779.1	776.1	778.3	777.4	776.6
10°	775.7	773.1	774.9	773.6	771.4
12.5°	771.0	769.3	770.6	769.3	766.3
15°	767.1	764.6	765.0	762.8	760.3
17.5°	762.0	758.1	758.1	753.8	750.8
20°	753.8	750.4	748.7	742.7	738.8
22.5°	744.4	741.8	738.4	730.7	726.4
25°	733.3	730.7	726.0	716.5	712.2
27.5°	720.4	717.0	711.8	700.7	695.5
30°	705.4	701.1	695.5	683.1	677.1
32.5°	686.9	683.9	676.7	663.8	658.2
35°	665.5	663.8	656.9	642.4	638.1
37.5°	643.6	640.2	634.2	618.8	614.5
40°	615.8	613.6	608.5	593.5	588.3
42.5°	585.8	584.5	580.2	566.0	560.5
45°	550.2	551.9	548.4	536.0	530.9
47.5°	516.3	515.4	514.1	503.0	498.7
50°	481.1	479.4	476.8	467.8	464.0
52.5°	448.1	444.7	437.8	430.1	427.5
55°	410.8	408.7	398.8	390.6	389.8
57.5°	373.1	371.8	359.8	350.3	350.3
60°	334.5	332.8	319.5	309.6	308.7
62.5°	294.2	292.9	279.2	268.0	268.4
65°	254.7	252.6	238.8	228.1	226.0
67.5°	213.5	212.7	199.4	189.5	188.7
70°	172.4	172.4	161.7	153.1	177.5
72.5°	135.9	134.6	126.1	122.2	116.6
75°	102.9	104.2	99.1	99.5	85.8
77.5°	73.3	71.2	69.0	64.3	68.2
80°	49.7	48.5	44.2	42.9	45.0
82.5°	30.9	31.3	27.4	24.9	24.4
85°	15.9	15.4	13.3	12.9	12.4
87.5°	6.0	6.4	5.6	5.1	4.7
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)