

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: P520503

Luminaire Tested: **4WSLA-125-L940-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 4WSLA-125-L940-UPL8-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 4000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

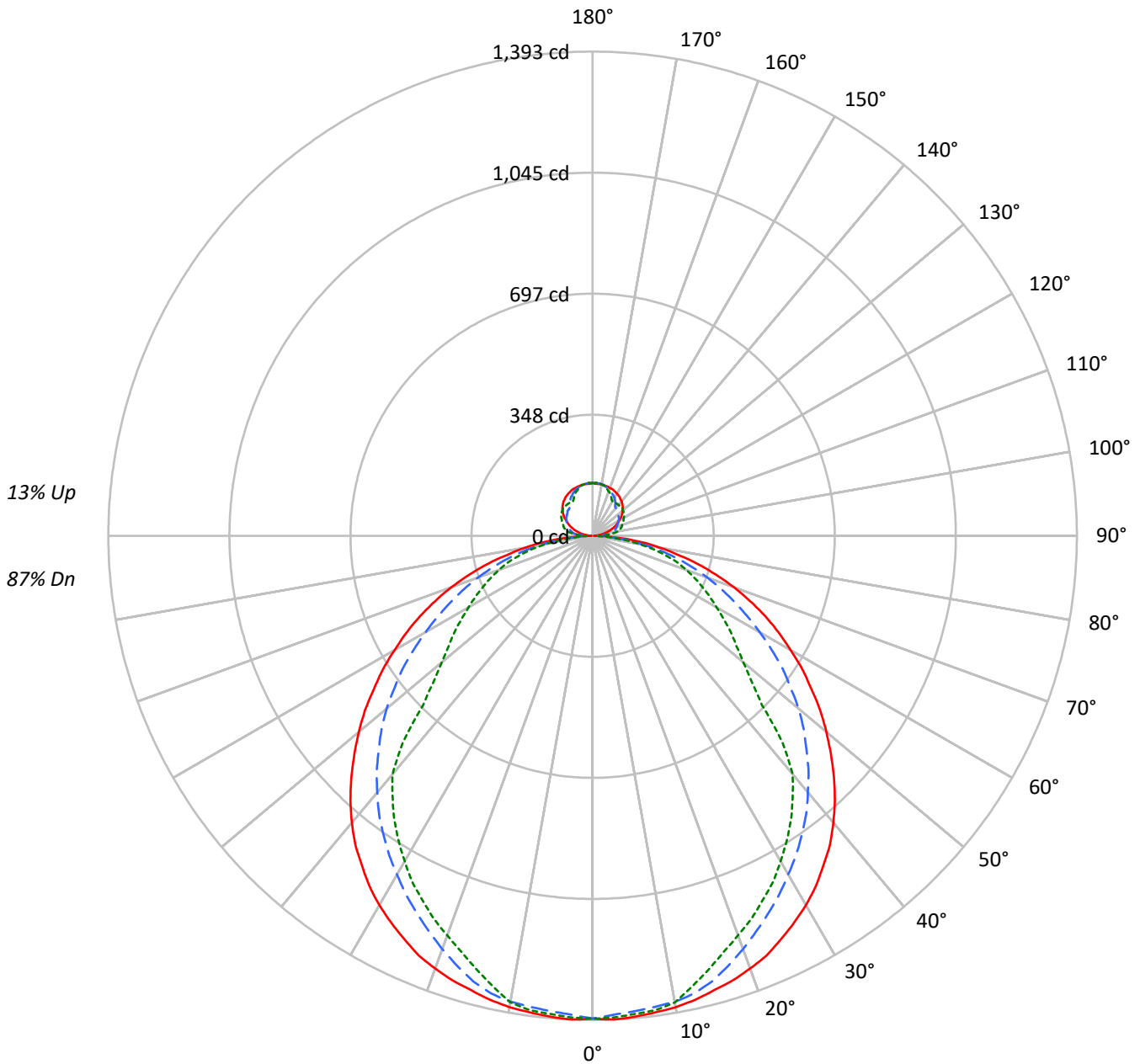
Lumens per Lamp: N/A
Luminaire Lumens: 4323.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 38.8
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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87																			
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73																			
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61																			
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51																			
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44																			
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38																			
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7476	7476	7476
5°	7505	7418	7461
10°	7526	7438	7449
15°	7539	7394	7194
20°	7589	7246	7006
25°	7608	7109	6872
30°	7626	6993	6720
35°	7603	6894	6539
40°	7569	6769	6291
45°	7470	6617	5248
50°	7346	6476	4736
55°	7202	6264	4557
60°	7078	5980	4432
65°	6974	5727	4429
70°	6793	5504	4497
75°	6484	5236	4531
80°	6072	4708	4212
85°	5551	3335	2841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	3.0
10°-20°	373.9	8.6
20°-30°	558.6	12.9
30°-40°	666.8	15.4
40°-50°	666.9	15.4
50°-60°	577.2	13.4
60°-70°	443.0	10.2
70°-80°	271.5	6.3
80°-90°	76.4	1.8
90°-100°	43.2	1.0
100°-110°	68.6	1.6
110°-120°	80.1	1.9
120°-130°	86.5	2.0
130°-140°	85.2	2.0
140°-150°	75.4	1.7
150°-160°	62.1	1.4
160°-170°	41.5	1.0
170°-180°	14.5	0.3
0°-30°	1064.0	24.6
0°-40°	1730.8	40.0
0°-60°	2974.9	68.8
0°-90°	3765.8	87.1
90°-120°	191.9	4.4
90°-150°	439.1	10.2
90°-180°	557.0	12.9
0°-180°	4323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1389	1389	1389	1389	1389	
5°	1389	1385	1373	1383	1381	132
15°	1353	1351	1327	1303	1291	383
25°	1281	1265	1197	1165	1157	591
35°	1157	1127	1049	1011	995	725
45°	981	953	869	792	690	757
55°	768	750	668	534	486	688
65°	548	528	450	362	348	541
75°	312	296	252	218	218	329
85°	90	74	54	46	46	94
90°	4	14	22	28	30	6
95°	16	34	46	48	48	16
105°	46	48	68	80	84	48
115°	76	64	80	92	98	74
125°	102	82	92	106	110	91
135°	122	110	102	112	118	94
145°	136	130	114	112	116	85
155°	144	142	134	128	126	66
165°	148	150	146	146	146	42
175°	150	152	152	154	154	14
180°	152	152	152	152	152	



TEST NUMBER: P520503

CATALOG NUMBER: 4WSLA-125-L940-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1389.1	1389.1	1389.1	1389.1	1389.1
2.5°	1393.1	1389.1	1379.1	1389.1	1387.1
5°	1389.1	1385.1	1373.1	1383.1	1381.1
7.5°	1383.1	1379.1	1367.1	1379.1	1377.1
10°	1377.1	1373.1	1361.1	1369.1	1363.1
12.5°	1367.1	1363.1	1349.1	1339.1	1327.1
15°	1353.1	1351.1	1327.1	1303.1	1291.1
17.5°	1341.1	1335.1	1297.1	1269.2	1255.2
20°	1325.1	1315.1	1265.2	1233.2	1223.2
22.5°	1307.1	1291.1	1231.2	1201.2	1193.2
25°	1281.2	1265.2	1197.2	1165.2	1157.2
27.5°	1255.2	1235.2	1163.2	1131.3	1123.3
30°	1227.2	1199.2	1125.3	1095.3	1081.3
32.5°	1195.2	1167.2	1089.3	1055.3	1039.3
35°	1157.2	1127.3	1049.3	1011.3	995.3
37.5°	1121.3	1089.3	1009.3	967.4	945.4
40°	1077.3	1045.3	963.4	917.4	895.4
42.5°	1031.3	1001.3	919.4	863.4	809.5
45°	981.4	953.4	869.4	791.5	689.5
47.5°	929.4	905.4	823.5	717.5	619.6
50°	877.4	853.4	773.5	647.6	565.6
52.5°	825.5	805.5	717.5	589.6	521.7
55°	767.5	749.5	667.6	533.6	485.7
57.5°	715.5	697.5	609.6	487.7	447.7
60°	657.6	641.6	555.6	441.7	411.7
62.5°	603.6	585.6	501.7	401.7	379.7
65°	547.6	527.7	449.7	361.8	347.8
67.5°	489.7	469.7	399.7	325.8	317.8
70°	431.7	415.7	349.8	289.8	285.8
72.5°	371.8	353.8	299.8	255.8	255.8
75°	311.8	295.8	251.8	217.9	217.9
77.5°	249.8	241.8	201.9	177.9	179.9
80°	195.9	185.9	151.9	135.9	135.9
82.5°	143.9	131.9	101.9	89.9	93.9
85°	89.9	74.0	54.0	46.0	46.0
87.5°	28.0	22.0	16.0	18.0	18.0
90°	4.0	14.0	22.0	28.0	30.0
92.5°	10.0	26.0	32.0	38.0	40.0
95°	16.0	34.0	46.0	48.0	48.0
97.5°	22.0	38.0	56.0	64.0	64.0
100°	30.0	40.0	60.0	72.0	74.0
102.5°	38.0	44.0	64.0	75.9	79.9
105°	46.0	48.0	68.0	79.9	83.9



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CATALOG NUMBER: 4WSLA-125-L940-UPL8-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	68.0	60.0	75.9	89.9	93.9
115°	75.9	64.0	79.9	91.9	97.9
117.5°	81.9	70.0	83.9	95.9	99.9
120°	87.9	74.0	85.9	99.9	103.9
122.5°	95.9	77.9	89.9	101.9	107.9
125°	101.9	81.9	91.9	105.9	109.9
127.5°	107.9	89.9	93.9	107.9	111.9
130°	111.9	97.9	95.9	109.9	113.9
132.5°	117.9	103.9	97.9	111.9	115.9
135°	121.9	109.9	101.9	111.9	117.9
137.5°	125.9	115.9	101.9	111.9	115.9
140°	129.9	121.9	103.9	111.9	115.9
142.5°	131.9	125.9	105.9	111.9	115.9
145°	135.9	129.9	113.9	111.9	115.9
147.5°	137.9	133.9	119.9	111.9	115.9
150°	139.9	137.9	125.9	113.9	113.9
152.5°	141.9	139.9	129.9	121.9	117.9
155°	143.9	141.9	133.9	127.9	125.9
157.5°	145.9	145.9	137.9	133.9	131.9
160°	145.9	147.9	141.9	137.9	135.9
162.5°	147.9	149.9	143.9	141.9	139.9
165°	147.9	149.9	145.9	145.9	145.9
167.5°	149.9	151.9	149.9	147.9	147.9
170°	149.9	151.9	149.9	149.9	149.9
172.5°	149.9	151.9	151.9	151.9	151.9
175°	149.9	151.9	151.9	153.9	153.9
177.5°	149.9	151.9	151.9	151.9	151.9
180°	151.9	151.9	151.9	151.9	151.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	54.0	52.0	70.0	83.9	87.9
110°	60.0	56.0	74.0	85.9	89.9



(END OF REPORT)