

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: P520487

Luminaire Tested: **4WSLA-125-L835-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-174-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 4WSLA-125-L835-UPL15-UNV-U
Description: 4 FOOT, 1250 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

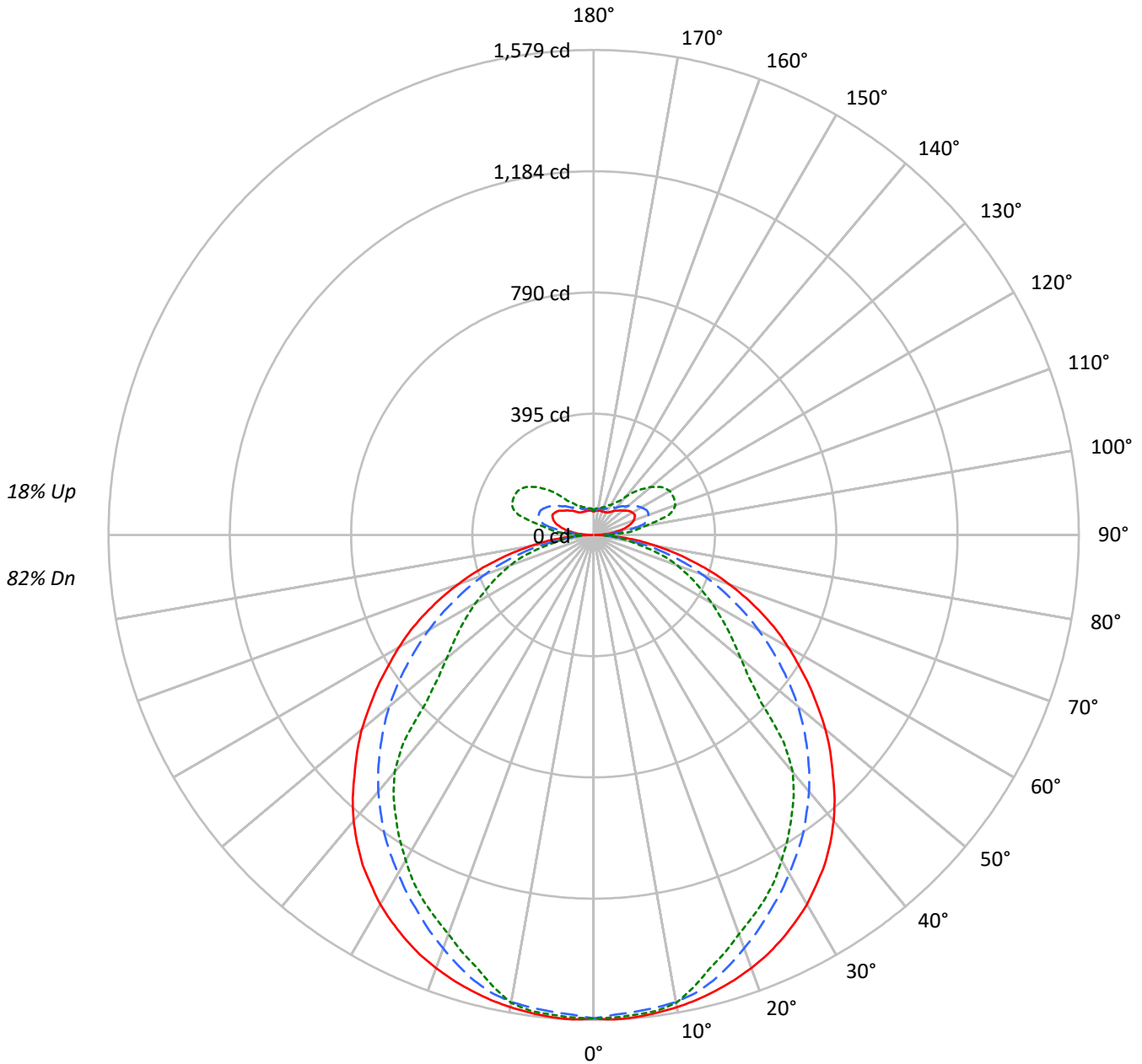
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5098.9 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 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

TEST NUMBER: P520487
CATALOG NUMBER: 4WSLA-125-L835-UPL15-UNV-U

Luminous Intensity Polar Plot





TEST NUMBER: P520487

CATALOG NUMBER: 4WSLA-125-L835-UPL15-UNV-U

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82																			
1	105	100	96	92	100	96	93	89	89	86	83	82	80	78	76	74	72	69																			
2	96	88	81	76	91	84	78	73	78	73	69	72	68	65	67	64	61	58																			
3	87	77	69	63	83	74	67	61	69	63	58	64	59	55	59	55	52	49																			
4	80	68	60	53	76	66	58	52	61	55	50	57	51	47	53	48	45	42																			
5	73	61	52	46	70	59	51	45	55	48	43	51	45	41	48	43	39	36																			
6	68	55	46	40	65	53	45	39	50	43	38	46	40	36	43	38	34	32																			
7	63	50	41	35	60	48	40	35	45	38	33	42	36	32	39	34	30	28																			
8	58	45	37	32	56	44	36	31	41	35	30	39	33	29	36	31	27	25																			
9	55	42	34	28	52	40	33	28	38	31	27	36	30	26	33	28	25	23																			
10	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8473	8473	8473
5°	8514	8420	8471
10°	8535	8438	8456
15°	8559	8372	8141
20°	8597	8203	7920
25°	8619	8041	7795
30°	8633	7909	7601
35°	8613	7805	7375
40°	8538	7662	7079
45°	8374	7474	5870
50°	8249	7273	5227
55°	8046	6982	4974
60°	7872	6669	4778
65°	7687	6304	4637
70°	7388	5904	4548
75°	6972	5413	4184
80°	6385	4553	3713
85°	5718	3946	3748



TEST NUMBER: P520487

CATALOG NUMBER: 4WSLA-125-L835-UPL15-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	2.9
10°-20°	423.9	8.3
20°-30°	632.6	12.4
30°-40°	753.7	14.8
40°-50°	749.7	14.7
50°-60°	642.5	12.6
60°-70°	483.9	9.5
70°-80°	280.3	5.5
80°-90°	84.2	1.7
90°-100°	90.4	1.8
100°-110°	185.7	3.6
110°-120°	196.3	3.9
120°-130°	163.8	3.2
130°-140°	114.4	2.2
140°-150°	71.2	1.4
150°-160°	44.1	0.9
160°-170°	24.9	0.5
170°-180°	8.0	0.2
0°-30°	1205.7	23.6
0°-40°	1959.4	38.4
0°-60°	3351.6	65.7
0°-90°	4200.0	82.4
90°-120°	472.5	9.3
90°-150°	821.9	16.1
90°-180°	899.0	17.6
0°-180°	5098.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1574	1574	1574	1574	1574	
5°	1576	1571	1558	1570	1568	150
15°	1536	1534	1503	1477	1461	434
25°	1452	1431	1354	1320	1313	669
35°	1311	1276	1188	1142	1122	819
45°	1100	1073	982	885	771	851
55°	858	845	744	591	530	767
65°	604	589	495	385	364	597
75°	335	324	260	208	201	355
85°	93	81	64	61	61	99
90°	5	22	38	48	51	9
95°	51	69	78	115	124	49
105°	120	124	179	240	254	124
115°	148	126	190	262	287	145
125°	137	121	164	241	272	122
135°	112	121	132	179	206	87
145°	91	105	115	123	131	58
155°	83	88	94	102	104	38
165°	81	85	88	91	91	23
175°	80	81	83	85	86	8
180°	78	78	78	78	78	



TEST NUMBER: P520487

CATALOG NUMBER: 4WSLA-125-L835-UPL15-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1574.4	1574.4	1574.4	1574.4	1574.4
2.5°	1579.2	1576.0	1563.3	1576.0	1572.8
5°	1576.0	1571.2	1558.5	1569.6	1568.0
7.5°	1569.6	1566.4	1552.1	1564.8	1563.3
10°	1561.7	1556.9	1544.1	1553.7	1547.3
12.5°	1550.5	1547.3	1528.1	1520.1	1507.4
15°	1536.1	1534.5	1502.6	1477.0	1461.1
17.5°	1520.1	1513.8	1469.0	1438.7	1424.3
20°	1501.0	1491.4	1432.3	1397.2	1382.8
22.5°	1478.6	1464.3	1395.6	1362.1	1347.7
25°	1451.5	1430.7	1354.1	1320.5	1312.6
27.5°	1421.1	1397.2	1315.8	1282.2	1272.6
30°	1389.2	1358.9	1272.6	1240.7	1223.1
32.5°	1349.3	1320.5	1231.1	1194.4	1175.2
35°	1311.0	1275.8	1188.0	1141.7	1122.5
37.5°	1264.7	1229.5	1138.5	1092.2	1069.8
40°	1215.2	1180.0	1090.6	1036.3	1007.6
42.5°	1160.9	1128.9	1037.9	972.4	916.6
45°	1100.2	1073.0	982.0	884.6	771.2
47.5°	1044.3	1018.7	926.1	800.0	683.4
50°	985.2	961.3	868.7	720.1	624.3
52.5°	919.7	902.2	806.4	651.5	574.8
55°	857.5	844.7	744.1	590.8	530.1
57.5°	792.0	779.2	681.8	533.3	485.4
60°	731.3	718.6	619.6	482.2	443.9
62.5°	670.6	653.1	558.9	432.7	400.8
65°	603.6	589.2	495.0	384.8	364.1
67.5°	536.5	523.7	435.9	340.1	325.7
70°	469.5	458.3	375.2	297.0	289.0
72.5°	404.0	389.6	321.0	253.9	250.7
75°	335.3	324.1	260.3	207.6	201.2
77.5°	269.9	260.3	204.4	158.1	153.3
80°	206.0	196.4	146.9	115.0	119.8
82.5°	151.7	138.9	99.0	89.4	94.2
85°	92.6	81.4	63.9	60.7	60.7
87.5°	31.9	30.3	28.7	33.5	35.1
90°	4.8	22.4	38.3	47.9	51.1
92.5°	27.1	39.9	52.7	62.3	65.5
95°	51.1	68.7	78.2	115.0	124.5
97.5°	70.3	91.0	102.2	135.7	145.3
100°	89.4	108.6	143.7	161.3	172.5
102.5°	105.4	119.8	169.3	204.4	210.8
105°	119.8	124.5	178.8	239.5	253.9



TEST NUMBER: P520487

CATALOG NUMBER: 4WSLA-125-L835-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	143.7	127.7	191.6	260.3	285.8
115°	148.5	126.1	190.0	261.9	287.4
117.5°	148.5	126.1	185.2	261.9	287.4
120°	145.3	127.7	178.8	258.7	285.8
122.5°	142.1	124.5	172.5	252.3	279.4
125°	137.3	121.4	164.5	241.1	271.5
127.5°	129.3	124.5	156.5	226.7	257.1
130°	123.0	126.1	146.9	212.4	242.7
132.5°	118.2	123.0	137.3	196.4	223.5
135°	111.8	121.4	132.5	178.8	206.0
137.5°	107.0	116.6	124.5	162.9	185.2
140°	102.2	113.4	116.6	142.1	161.3
142.5°	95.8	108.6	110.2	132.5	140.5
145°	91.0	105.4	115.0	123.0	130.9
147.5°	86.2	99.0	111.8	113.4	121.4
150°	84.6	92.6	107.0	108.6	111.8
152.5°	83.0	89.4	99.0	108.6	110.2
155°	83.0	87.8	94.2	102.2	103.8
157.5°	81.4	87.8	91.0	97.4	99.0
160°	81.4	86.2	89.4	94.2	95.8
162.5°	81.4	86.2	87.8	92.6	94.2
165°	81.4	84.6	87.8	91.0	91.0
167.5°	81.4	84.6	86.2	89.4	89.4
170°	81.4	83.0	86.2	87.8	87.8
172.5°	79.8	83.0	84.6	87.8	87.8
175°	79.8	81.4	83.0	84.6	86.2
177.5°	76.6	81.4	83.0	84.6	83.0
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	130.9	126.1	185.2	252.3	273.1
110°	138.9	127.7	190.0	257.1	282.6



(END OF REPORT)