

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: P520607

Luminaire Tested: **4WSLA-75-L835-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520607
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-75-L835-UPL15-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

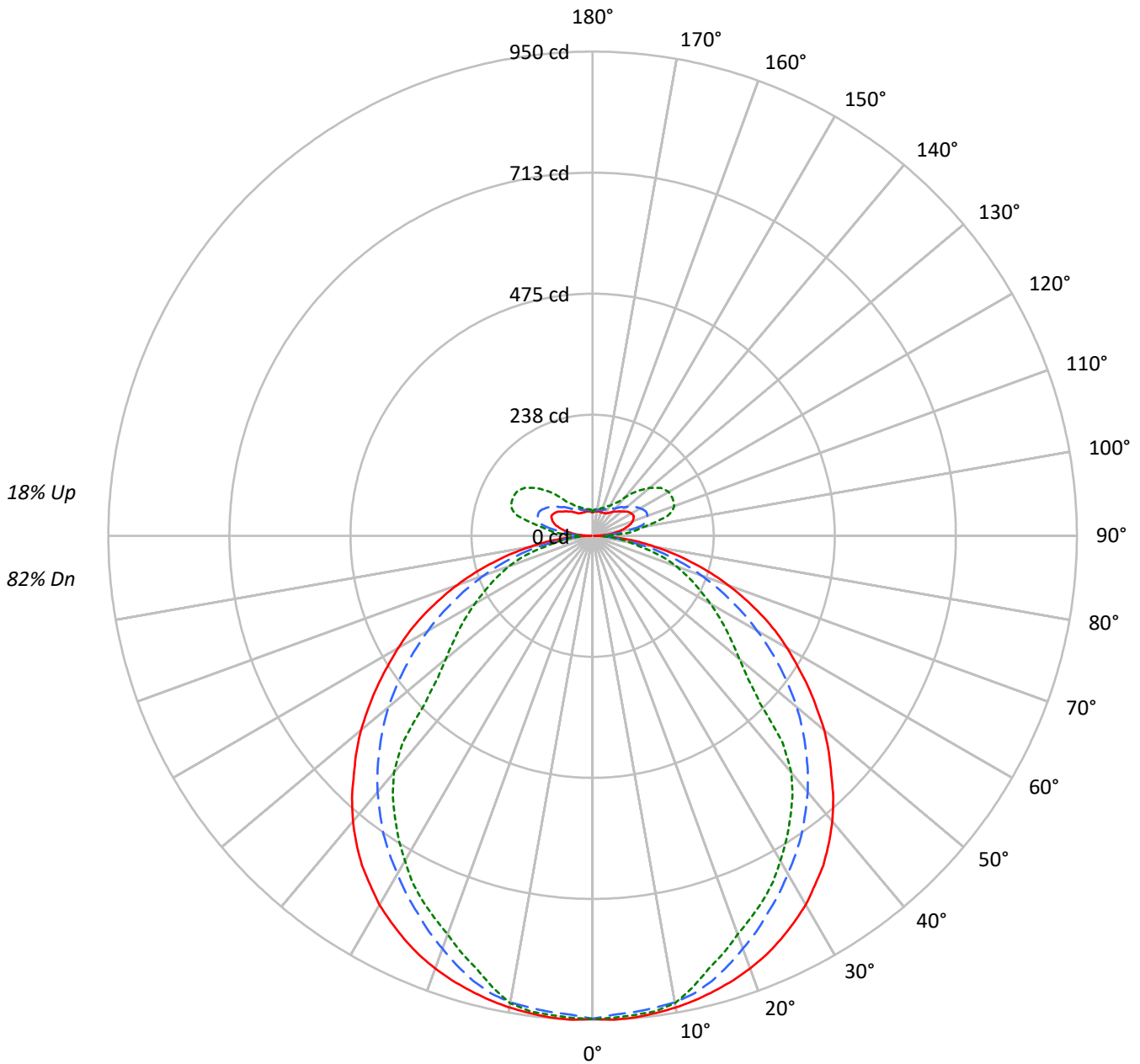
Lumens per Lamp: N/A
Luminaire Lumens: 3069.0 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 23.2
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	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°	5100	5100	5100
5°	5125	5068	5099
10°	5137	5079	5090
15°	5152	5039	4900
20°	5174	4938	4767
25°	5188	4840	4691
30°	5196	4760	4575
35°	5184	4698	4439
40°	5139	4612	4260
45°	5040	4499	3533
50°	4965	4377	3147
55°	4843	4203	2994
60°	4738	4014	2876
65°	4627	3794	2790
70°	4447	3555	2738
75°	4196	3258	2518
80°	3843	2740	2235
85°	3440	2371	2254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	2.9
10°-20°	255.1	8.3
20°-30°	380.7	12.4
30°-40°	453.7	14.8
40°-50°	451.2	14.7
50°-60°	386.7	12.6
60°-70°	291.3	9.5
70°-80°	168.7	5.5
80°-90°	50.7	1.7
90°-100°	54.4	1.8
100°-110°	111.8	3.6
110°-120°	118.2	3.9
120°-130°	98.6	3.2
130°-140°	68.9	2.2
140°-150°	42.9	1.4
150°-160°	26.6	0.9
160°-170°	15.0	0.5
170°-180°	4.8	0.2
0°-30°	725.7	23.6
0°-40°	1179.3	38.4
0°-60°	2017.3	65.7
0°-90°	2527.9	82.4
90°-120°	284.4	9.3
90°-150°	494.7	16.1
90°-180°	541.0	17.6
0°-180°	3069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	949	946	938	945	944	90
15°	925	924	904	889	879	261
25°	874	861	815	795	790	403
35°	789	768	715	687	676	493
45°	662	646	591	532	464	512
55°	516	508	448	356	319	461
65°	363	355	298	232	219	359
75°	202	195	157	125	121	214
85°	56	49	38	36	36	59
90°	3	14	23	29	31	6
95°	31	41	47	69	75	29
105°	72	75	108	144	153	75
115°	89	76	114	158	173	87
125°	83	73	99	145	163	73
135°	67	73	80	108	124	53
145°	55	63	69	74	79	35
155°	50	53	57	62	62	23
165°	49	51	53	55	55	14
175°	48	49	50	51	52	5
180°	47	47	47	47	47	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.6	947.6	947.6	947.6	947.6
2.5°	950.5	948.6	940.9	948.6	946.7
5°	948.6	945.7	938.0	944.7	943.8
7.5°	944.7	942.8	934.2	941.9	940.9
10°	939.9	937.1	929.4	935.1	931.3
12.5°	933.2	931.3	919.8	914.9	907.3
15°	924.6	923.6	904.4	889.0	879.4
17.5°	914.9	911.1	884.2	865.9	857.3
20°	903.4	897.6	862.1	840.9	832.3
22.5°	890.0	881.3	840.0	819.8	811.1
25°	873.6	861.1	815.0	794.8	790.0
27.5°	855.4	840.9	791.9	771.7	766.0
30°	836.1	817.9	766.0	746.8	736.2
32.5°	812.1	794.8	741.0	718.9	707.4
35°	789.0	767.9	715.0	687.2	675.6
37.5°	761.2	740.0	685.2	657.4	643.9
40°	731.4	710.2	656.4	623.7	606.4
42.5°	698.7	679.5	624.7	585.3	551.7
45°	662.2	645.8	591.1	532.4	464.2
47.5°	628.5	613.2	557.4	481.5	411.3
50°	593.0	578.6	522.8	433.4	375.8
52.5°	553.6	543.0	485.3	392.1	346.0
55°	516.1	508.4	447.9	355.6	319.1
57.5°	476.7	469.0	410.4	321.0	292.2
60°	440.2	432.5	372.9	290.2	267.2
62.5°	403.7	393.1	336.4	260.5	241.2
65°	363.3	354.6	297.9	231.6	219.1
67.5°	322.9	315.2	262.4	204.7	196.1
70°	282.6	275.8	225.9	178.8	174.0
72.5°	243.2	234.5	193.2	152.8	150.9
75°	201.8	195.1	156.7	124.9	121.1
77.5°	162.4	156.7	123.0	95.1	92.3
80°	124.0	118.2	88.4	69.2	72.1
82.5°	91.3	83.6	59.6	53.8	56.7
85°	55.7	49.0	38.4	36.5	36.5
87.5°	19.2	18.3	17.3	20.2	21.1
90°	2.9	13.5	23.1	28.8	30.8
92.5°	16.3	24.0	31.7	37.5	39.4
95°	30.8	41.3	47.1	69.2	75.0
97.5°	42.3	54.8	61.5	81.7	87.5
100°	53.8	65.4	86.5	97.1	103.8
102.5°	63.4	72.1	101.9	123.0	126.9
105°	72.1	75.0	107.6	144.2	152.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	86.5	76.9	115.3	156.7	172.0
115°	89.4	75.9	114.4	157.6	173.0
117.5°	89.4	75.9	111.5	157.6	173.0
120°	87.5	76.9	107.6	155.7	172.0
122.5°	85.5	75.0	103.8	151.9	168.2
125°	82.7	73.0	99.0	145.1	163.4
127.5°	77.8	75.0	94.2	136.5	154.7
130°	74.0	75.9	88.4	127.8	146.1
132.5°	71.1	74.0	82.7	118.2	134.6
135°	67.3	73.0	79.8	107.6	124.0
137.5°	64.4	70.2	75.0	98.0	111.5
140°	61.5	68.2	70.2	85.5	97.1
142.5°	57.7	65.4	66.3	79.8	84.6
145°	54.8	63.4	69.2	74.0	78.8
147.5°	51.9	59.6	67.3	68.2	73.0
150°	50.9	55.7	64.4	65.4	67.3
152.5°	50.0	53.8	59.6	65.4	66.3
155°	50.0	52.9	56.7	61.5	62.5
157.5°	49.0	52.9	54.8	58.6	59.6
160°	49.0	51.9	53.8	56.7	57.7
162.5°	49.0	51.9	52.9	55.7	56.7
165°	49.0	50.9	52.9	54.8	54.8
167.5°	49.0	50.9	51.9	53.8	53.8
170°	49.0	50.0	51.9	52.9	52.9
172.5°	48.1	50.0	50.9	52.9	52.9
175°	48.1	49.0	50.0	50.9	51.9
177.5°	46.1	49.0	50.0	50.9	50.0
180°	47.1	47.1	47.1	47.1	47.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	78.8	75.9	111.5	151.9	164.3
110°	83.6	76.9	114.4	154.7	170.1



(END OF REPORT)