

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: P520616

Luminaire Tested: **4WSLA-75-L930-UPL15-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520616
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-L930-UPL15-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

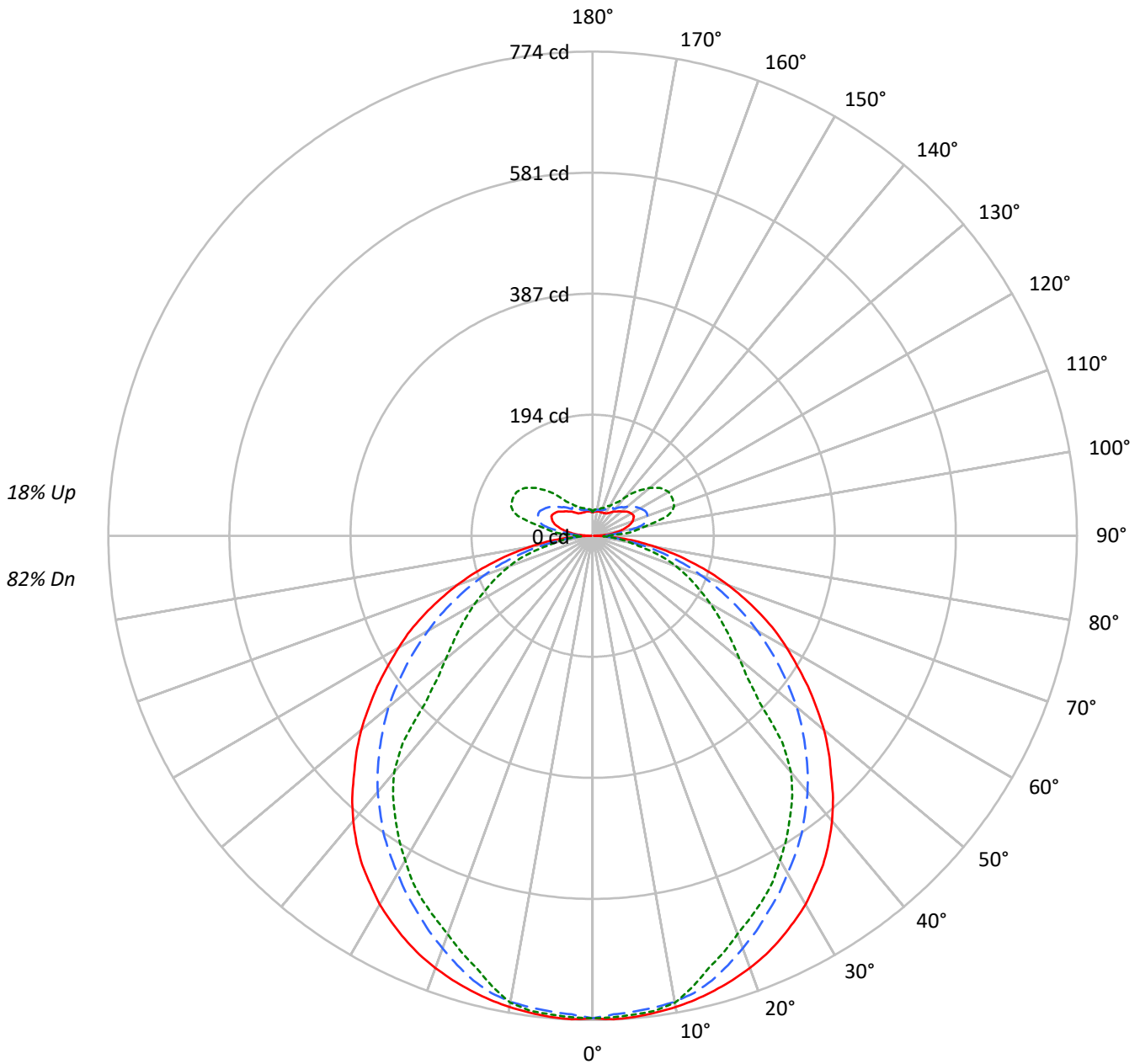
Lumens per Lamp: N/A
Luminaire Lumens: 2498.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	4151	4151	4151
5°	4171	4125	4150
10°	4181	4134	4142
15°	4193	4101	3988
20°	4211	4019	3880
25°	4223	3939	3818
30°	4230	3875	3724
35°	4219	3824	3613
40°	4182	3754	3468
45°	4102	3662	2876
50°	4042	3563	2561
55°	3942	3420	2437
60°	3857	3267	2341
65°	3766	3088	2272
70°	3619	2892	2228
75°	3417	2651	2050
80°	3127	2232	1819
85°	2803	1933	1834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	2.9
10°-20°	207.7	8.3
20°-30°	309.9	12.4
30°-40°	369.2	14.8
40°-50°	367.3	14.7
50°-60°	314.8	12.6
60°-70°	237.1	9.5
70°-80°	137.3	5.5
80°-90°	41.3	1.7
90°-100°	44.3	1.8
100°-110°	91.0	3.6
110°-120°	96.2	3.9
120°-130°	80.3	3.2
130°-140°	56.1	2.2
140°-150°	34.9	1.4
150°-160°	21.6	0.9
160°-170°	12.2	0.5
170°-180°	3.9	0.2
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0°-30°	590.7	23.6
0°-40°	959.9	38.4
0°-60°	1642.0	65.7
0°-90°	2057.6	82.4
90°-120°	231.5	9.3
90°-150°	402.7	16.1
90°-180°	440.0	17.6
0°-180°	2498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	772	770	764	769	768	73
15°	752	752	736	724	716	213
25°	711	701	663	647	643	328
35°	642	625	582	559	550	401
45°	539	526	481	433	378	417
55°	420	414	364	289	260	376
65°	296	289	242	188	178	292
75°	164	159	128	102	99	174
85°	45	40	31	30	30	48
90°	2	11	19	24	25	5
95°	25	34	38	56	61	24
105°	59	61	88	117	124	61
115°	73	62	93	128	141	71
125°	67	60	81	118	133	60
135°	55	60	65	88	101	43
145°	45	52	56	60	64	28
155°	41	43	46	50	51	19
165°	40	42	43	45	45	11
175°	39	40	41	42	42	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.3	771.3	771.3	771.3	771.3
2.5°	773.7	772.1	765.8	772.1	770.5
5°	772.1	769.7	763.5	769.0	768.2
7.5°	769.0	767.4	760.4	766.6	765.8
10°	765.1	762.7	756.5	761.1	758.0
12.5°	759.6	758.0	748.6	744.7	738.5
15°	752.5	751.8	736.1	723.6	715.8
17.5°	744.7	741.6	719.7	704.8	697.8
20°	735.3	730.6	701.7	684.5	677.4
22.5°	724.4	717.3	683.7	667.3	660.2
25°	711.1	700.9	663.4	646.9	643.0
27.5°	696.2	684.5	644.6	628.2	623.5
30°	680.6	665.7	623.5	607.8	599.2
32.5°	661.0	646.9	603.1	585.1	575.7
35°	642.2	625.0	582.0	559.3	549.9
37.5°	619.6	602.3	557.8	535.1	524.1
40°	595.3	578.1	534.3	507.7	493.6
42.5°	568.7	553.1	508.5	476.4	449.0
45°	539.0	525.7	481.1	433.4	377.8
47.5°	511.6	499.1	453.7	391.9	334.8
50°	482.7	470.9	425.6	352.8	305.9
52.5°	450.6	442.0	395.0	319.2	281.6
55°	420.1	413.8	364.5	289.4	259.7
57.5°	388.0	381.7	334.0	261.3	237.8
60°	358.3	352.0	303.5	236.2	217.5
62.5°	328.6	319.9	273.8	212.0	196.3
65°	295.7	288.7	242.5	188.5	178.4
67.5°	262.8	256.6	213.6	166.6	159.6
70°	230.0	224.5	183.8	145.5	141.6
72.5°	197.9	190.9	157.2	124.4	122.8
75°	164.3	158.8	127.5	101.7	98.6
77.5°	132.2	127.5	100.1	77.4	75.1
80°	100.9	96.2	72.0	56.3	58.7
82.5°	74.3	68.1	48.5	43.8	46.2
85°	45.4	39.9	31.3	29.7	29.7
87.5°	15.6	14.9	14.1	16.4	17.2
90°	2.3	11.0	18.8	23.5	25.0
92.5°	13.3	19.6	25.8	30.5	32.1
95°	25.0	33.6	38.3	56.3	61.0
97.5°	34.4	44.6	50.1	66.5	71.2
100°	43.8	53.2	70.4	79.0	84.5
102.5°	51.6	58.7	82.9	100.1	103.3
105°	58.7	61.0	87.6	117.3	124.4



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CATALOG NUMBER: 4WSLA-75-L930-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	70.4	62.6	93.9	127.5	140.0
115°	72.8	61.8	93.1	128.3	140.8
117.5°	72.8	61.8	90.7	128.3	140.8
120°	71.2	62.6	87.6	126.7	140.0
122.5°	69.6	61.0	84.5	123.6	136.9
125°	67.3	59.5	80.6	118.1	133.0
127.5°	63.4	61.0	76.7	111.1	125.9
130°	60.2	61.8	72.0	104.0	118.9
132.5°	57.9	60.2	67.3	96.2	109.5
135°	54.8	59.5	64.9	87.6	100.9
137.5°	52.4	57.1	61.0	79.8	90.7
140°	50.1	55.5	57.1	69.6	79.0
142.5°	46.9	53.2	54.0	64.9	68.8
145°	44.6	51.6	56.3	60.2	64.1
147.5°	42.2	48.5	54.8	55.5	59.5
150°	41.5	45.4	52.4	53.2	54.8
152.5°	40.7	43.8	48.5	53.2	54.0
155°	40.7	43.0	46.2	50.1	50.8
157.5°	39.9	43.0	44.6	47.7	48.5
160°	39.9	42.2	43.8	46.2	46.9
162.5°	39.9	42.2	43.0	45.4	46.2
165°	39.9	41.5	43.0	44.6	44.6
167.5°	39.9	41.5	42.2	43.8	43.8
170°	39.9	40.7	42.2	43.0	43.0
172.5°	39.1	40.7	41.5	43.0	43.0
175°	39.1	39.9	40.7	41.5	42.2
177.5°	37.5	39.9	40.7	41.5	40.7
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	64.1	61.8	90.7	123.6	133.8
110°	68.1	62.6	93.1	125.9	138.5



(END OF REPORT)