

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: P520617

Luminaire Tested: **4WSLA-75-L930-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520617
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-75-L930-UPL8-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3000K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

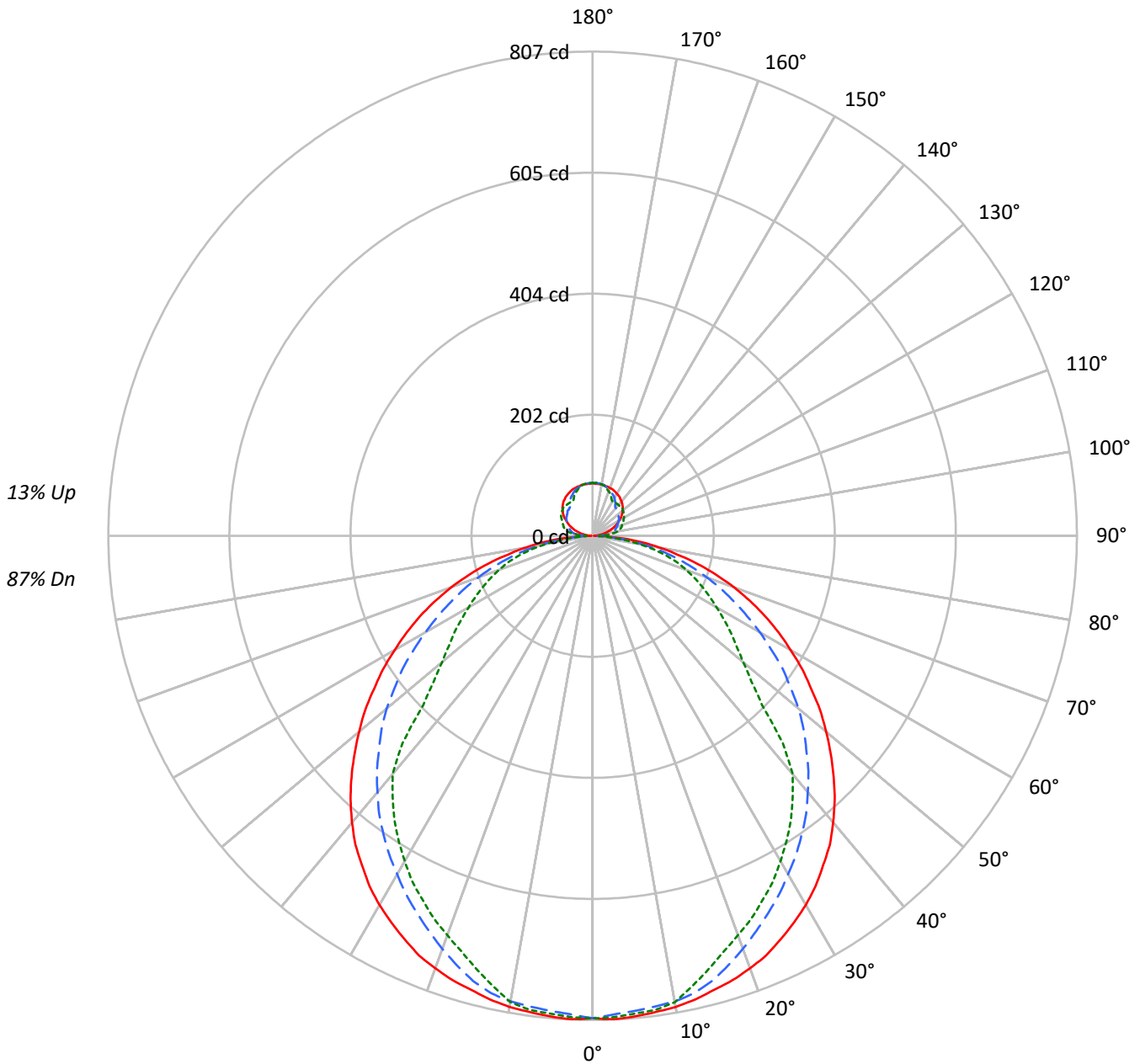
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2503.0 lumens
Efficiency: N/A
Efficacy: 107.9 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): 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

TEST NUMBER: P520617
CATALOG NUMBER: 4WSLA-75-L930-UPL8-UNV-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			87
1	106	101	97	93	102	98	94	90	91	88	85	85	83	80	79	78	76	73			73
2	96	88	82	76	92	85	79	74	80	75	70	74	70	67	70	66	64	61			61
3	88	78	70	63	84	75	68	62	70	64	59	66	61	56	62	58	54	51			51
4	80	69	60	54	77	67	59	53	62	56	50	59	53	48	55	50	46	44			44
5	74	61	53	46	71	60	51	45	56	49	44	53	47	42	50	45	40	38			38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	33			33
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30			30
8	59	46	37	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26			26
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			24
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	22			22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4329	4329	4329
5°	4345	4295	4320
10°	4357	4307	4313
15°	4365	4281	4165
20°	4394	4195	4056
25°	4405	4116	3979
30°	4415	4049	3891
35°	4402	3991	3786
40°	4382	3919	3642
45°	4325	3831	3038
50°	4253	3749	2742
55°	4170	3627	2639
60°	4098	3463	2566
65°	4038	3316	2565
70°	3934	3186	2604
75°	3753	3032	2622
80°	3515	2724	2439
85°	3217	1927	1643



TEST NUMBER: P520617

CATALOG NUMBER: 4WSLA-75-L930-UPL8-UNV-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	3.0
10°-20°	216.5	8.6
20°-30°	323.4	12.9
30°-40°	386.1	15.4
40°-50°	386.1	15.4
50°-60°	334.2	13.4
60°-70°	256.5	10.2
70°-80°	157.2	6.3
80°-90°	44.2	1.8
90°-100°	25.0	1.0
100°-110°	39.7	1.6
110°-120°	46.4	1.9
120°-130°	50.1	2.0
130°-140°	49.4	2.0
140°-150°	43.7	1.7
150°-160°	35.9	1.4
160°-170°	24.1	1.0
170°-180°	8.4	0.3
0°-30°	616.0	24.6
0°-40°	1002.1	40.0
0°-60°	1722.5	68.8
0°-90°	2180.4	87.1
90°-120°	111.1	4.4
90°-150°	254.2	10.2
90°-180°	323.0	12.9
0°-180°	2503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	804	802	795	801	800	77
15°	783	782	768	754	748	222
25°	742	732	693	675	670	342
35°	670	653	608	586	576	420
45°	568	552	503	458	399	438
55°	444	434	386	309	281	398
65°	317	306	260	210	201	313
75°	180	171	146	126	126	190
85°	52	43	31	27	27	54
90°	2	8	13	16	17	4
95°	9	20	27	28	28	9
105°	27	28	39	46	49	28
115°	44	37	46	53	57	43
125°	59	47	53	61	64	53
135°	71	64	59	65	68	54
145°	79	75	66	65	67	49
155°	83	82	78	74	73	38
165°	86	87	84	84	84	24
175°	87	88	88	89	89	8
180°	88	88	88	88	88	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.3	804.3	804.3	804.3	804.3
2.5°	806.6	804.3	798.5	804.3	803.1
5°	804.3	802.0	795.0	800.8	799.6
7.5°	800.8	798.5	791.5	798.5	797.3
10°	797.3	795.0	788.1	792.7	789.2
12.5°	791.5	789.2	781.1	775.3	768.4
15°	783.4	782.3	768.4	754.5	747.6
17.5°	776.5	773.0	751.0	734.8	726.7
20°	767.2	761.5	732.5	714.0	708.2
22.5°	756.8	747.6	712.9	695.5	690.9
25°	741.8	732.5	693.2	674.7	670.0
27.5°	726.7	715.2	673.5	655.0	650.4
30°	710.5	694.3	651.5	634.2	626.1
32.5°	692.0	675.8	630.7	611.0	601.8
35°	670.0	652.7	607.5	585.6	576.3
37.5°	649.2	630.7	584.4	560.1	547.4
40°	623.7	605.2	557.8	531.2	518.4
42.5°	597.1	579.8	532.3	499.9	468.7
45°	568.2	552.0	503.4	458.3	399.2
47.5°	538.1	524.2	476.8	415.4	358.7
50°	508.0	494.1	447.8	374.9	327.5
52.5°	477.9	466.4	415.4	341.4	302.0
55°	444.4	434.0	386.5	309.0	281.2
57.5°	414.3	403.9	353.0	282.4	259.2
60°	380.7	371.5	321.7	255.7	238.4
62.5°	349.5	339.1	290.5	232.6	219.9
65°	317.1	305.5	260.4	209.5	201.4
67.5°	283.5	271.9	231.4	188.6	184.0
70°	250.0	240.7	202.5	167.8	165.5
72.5°	215.2	204.8	173.6	148.1	148.1
75°	180.5	171.3	145.8	126.1	126.1
77.5°	144.7	140.0	116.9	103.0	104.2
80°	113.4	107.6	87.9	78.7	78.7
82.5°	83.3	76.4	59.0	52.1	54.4
85°	52.1	42.8	31.2	26.6	26.6
87.5°	16.2	12.7	9.3	10.4	10.4
90°	2.3	8.1	12.7	16.2	17.4
92.5°	5.8	15.0	18.5	22.0	23.1
95°	9.3	19.7	26.6	27.8	27.8
97.5°	12.7	22.0	32.4	37.0	37.0
100°	17.4	23.1	34.7	41.7	42.8
102.5°	22.0	25.5	37.0	44.0	46.3
105°	26.6	27.8	39.3	46.3	48.6



TEST NUMBER: P520617

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.3	34.7	44.0	52.1	54.4
115°	44.0	37.0	46.3	53.2	56.7
117.5°	47.4	40.5	48.6	55.5	57.9
120°	50.9	42.8	49.8	57.9	60.2
122.5°	55.5	45.1	52.1	59.0	62.5
125°	59.0	47.4	53.2	61.3	63.6
127.5°	62.5	52.1	54.4	62.5	64.8
130°	64.8	56.7	55.5	63.6	66.0
132.5°	68.3	60.2	56.7	64.8	67.1
135°	70.6	63.6	59.0	64.8	68.3
137.5°	72.9	67.1	59.0	64.8	67.1
140°	75.2	70.6	60.2	64.8	67.1
142.5°	76.4	72.9	61.3	64.8	67.1
145°	78.7	75.2	66.0	64.8	67.1
147.5°	79.8	77.5	69.4	64.8	67.1
150°	81.0	79.8	72.9	66.0	66.0
152.5°	82.2	81.0	75.2	70.6	68.3
155°	83.3	82.2	77.5	74.1	72.9
157.5°	84.5	84.5	79.8	77.5	76.4
160°	84.5	85.6	82.2	79.8	78.7
162.5°	85.6	86.8	83.3	82.2	81.0
165°	85.6	86.8	84.5	84.5	84.5
167.5°	86.8	87.9	86.8	85.6	85.6
170°	86.8	87.9	86.8	86.8	86.8
172.5°	86.8	87.9	87.9	87.9	87.9
175°	86.8	87.9	87.9	89.1	89.1
177.5°	86.8	87.9	87.9	87.9	87.9
180°	87.9	87.9	87.9	87.9	87.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	31.2	30.1	40.5	48.6	50.9
110°	34.7	32.4	42.8	49.8	52.1



(END OF REPORT)