

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: P520620

Luminaire Tested: **4WSLA-75-L935-UPL8-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520620
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-L935-UPL8-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 90 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

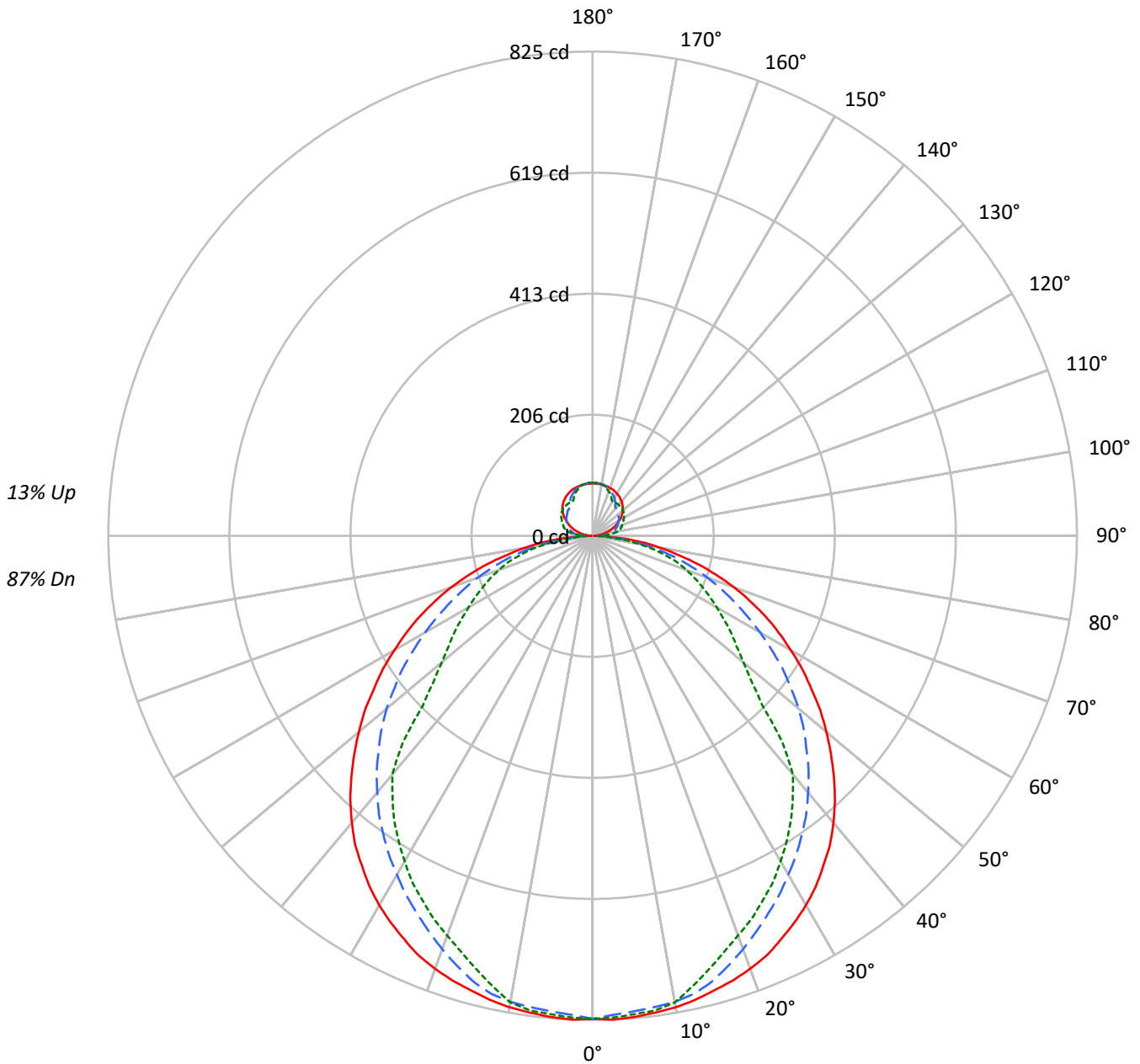
Lumens per Lamp: N/A
Luminaire Lumens: 2561.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 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	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°	4429	4429	4429
5°	4446	4394	4420
10°	4458	4406	4413
15°	4466	4381	4262
20°	4496	4293	4150
25°	4507	4211	4071
30°	4518	4143	3981
35°	4504	4084	3874
40°	4484	4010	3727
45°	4425	3921	3109
50°	4352	3836	2806
55°	4267	3711	2700
60°	4194	3543	2625
65°	4131	3393	2623
70°	4025	3260	2664
75°	3841	3103	2685
80°	3595	2789	2495
85°	3291	1976	1680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	3.0
10°-20°	221.5	8.6
20°-30°	330.9	12.9
30°-40°	395.0	15.4
40°-50°	395.1	15.4
50°-60°	341.9	13.4
60°-70°	262.5	10.2
70°-80°	160.8	6.3
80°-90°	45.3	1.8
90°-100°	25.6	1.0
100°-110°	40.6	1.6
110°-120°	47.5	1.9
120°-130°	51.3	2.0
130°-140°	50.5	2.0
140°-150°	44.7	1.7
150°-160°	36.8	1.4
160°-170°	24.6	1.0
170°-180°	8.6	0.3
0°-30°	630.3	24.6
0°-40°	1025.4	40.0
0°-60°	1762.4	68.8
0°-90°	2230.9	87.1
90°-120°	113.7	4.4
90°-150°	260.1	10.2
90°-180°	330.0	12.9
0°-180°	2561.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	823	820	813	819	818	78
15°	802	800	786	772	765	227
25°	759	750	709	690	686	350
35°	686	668	622	599	590	429
45°	581	565	515	469	408	448
55°	455	444	396	316	288	408
65°	324	313	266	214	206	320
75°	185	175	149	129	129	195
85°	53	44	32	27	27	56
90°	2	8	13	17	18	4
95°	10	20	27	28	28	9
105°	27	28	40	47	50	29
115°	45	38	47	54	58	44
125°	60	48	54	63	65	54
135°	72	65	60	66	70	56
145°	80	77	68	66	69	50
155°	85	84	79	76	75	39
165°	88	89	86	86	86	25
175°	89	90	90	91	91	8
180°	90	90	90	90	90	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822.9	822.9	822.9	822.9	822.9
2.5°	825.3	822.9	817.0	822.9	821.7
5°	822.9	820.5	813.4	819.4	818.2
7.5°	819.4	817.0	809.9	817.0	815.8
10°	815.8	813.4	806.3	811.1	807.5
12.5°	809.9	807.5	799.2	793.3	786.2
15°	801.6	800.4	786.2	772.0	764.9
17.5°	794.5	790.9	768.4	751.9	743.6
20°	785.0	779.1	749.5	730.6	724.6
22.5°	774.4	764.9	729.4	711.6	706.9
25°	759.0	749.5	709.2	690.3	685.6
27.5°	743.6	731.7	689.1	670.2	665.4
30°	727.0	710.4	666.6	648.9	640.6
32.5°	708.1	691.5	645.3	625.2	615.7
35°	685.6	667.8	621.6	599.1	589.7
37.5°	664.2	645.3	597.9	573.1	560.1
40°	638.2	619.3	570.7	543.5	530.5
42.5°	611.0	593.2	544.7	511.5	479.5
45°	581.4	564.8	515.1	468.9	408.5
47.5°	550.6	536.4	487.8	425.1	367.1
50°	519.8	505.6	458.2	383.6	335.1
52.5°	489.0	477.2	425.1	349.3	309.0
55°	454.7	444.0	395.5	316.1	287.7
57.5°	423.9	413.2	361.1	288.9	265.2
60°	389.6	380.1	329.2	261.7	243.9
62.5°	357.6	346.9	297.2	238.0	225.0
65°	324.4	312.6	266.4	214.3	206.0
67.5°	290.1	278.3	236.8	193.0	188.3
70°	255.8	246.3	207.2	171.7	169.3
72.5°	220.2	209.6	177.6	151.6	151.6
75°	184.7	175.2	149.2	129.1	129.1
77.5°	148.0	143.3	119.6	105.4	106.6
80°	116.0	110.1	90.0	80.5	80.5
82.5°	85.3	78.1	60.4	53.3	55.7
85°	53.3	43.8	32.0	27.2	27.2
87.5°	16.6	13.0	9.5	10.7	10.7
90°	2.4	8.3	13.0	16.6	17.8
92.5°	5.9	15.4	18.9	22.5	23.7
95°	9.5	20.1	27.2	28.4	28.4
97.5°	13.0	22.5	33.2	37.9	37.9
100°	17.8	23.7	35.5	42.6	43.8
102.5°	22.5	26.0	37.9	45.0	47.4
105°	27.2	28.4	40.3	47.4	49.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.3	35.5	45.0	53.3	55.7
115°	45.0	37.9	47.4	54.5	58.0
117.5°	48.5	41.4	49.7	56.8	59.2
120°	52.1	43.8	50.9	59.2	61.6
122.5°	56.8	46.2	53.3	60.4	63.9
125°	60.4	48.5	54.5	62.8	65.1
127.5°	63.9	53.3	55.7	63.9	66.3
130°	66.3	58.0	56.8	65.1	67.5
132.5°	69.9	61.6	58.0	66.3	68.7
135°	72.2	65.1	60.4	66.3	69.9
137.5°	74.6	68.7	60.4	66.3	68.7
140°	77.0	72.2	61.6	66.3	68.7
142.5°	78.1	74.6	62.8	66.3	68.7
145°	80.5	77.0	67.5	66.3	68.7
147.5°	81.7	79.3	71.0	66.3	68.7
150°	82.9	81.7	74.6	67.5	67.5
152.5°	84.1	82.9	77.0	72.2	69.9
155°	85.3	84.1	79.3	75.8	74.6
157.5°	86.4	86.4	81.7	79.3	78.1
160°	86.4	87.6	84.1	81.7	80.5
162.5°	87.6	88.8	85.3	84.1	82.9
165°	87.6	88.8	86.4	86.4	86.4
167.5°	88.8	90.0	88.8	87.6	87.6
170°	88.8	90.0	88.8	88.8	88.8
172.5°	88.8	90.0	90.0	90.0	90.0
175°	88.8	90.0	90.0	91.2	91.2
177.5°	88.8	90.0	90.0	90.0	90.0
180°	90.0	90.0	90.0	90.0	90.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	32.0	30.8	41.4	49.7	52.1
110°	35.5	33.2	43.8	50.9	53.3



(END OF REPORT)