

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: P520613

Luminaire Tested: **4WSLA-75-L850-UPL15-UNV-U**

Issue Date: 5/3/2021

Test Information

Test Method: LM-79-08
Report Number: P520613
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-L850-UPL15-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 80 CRI
LEDS WITH 15% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

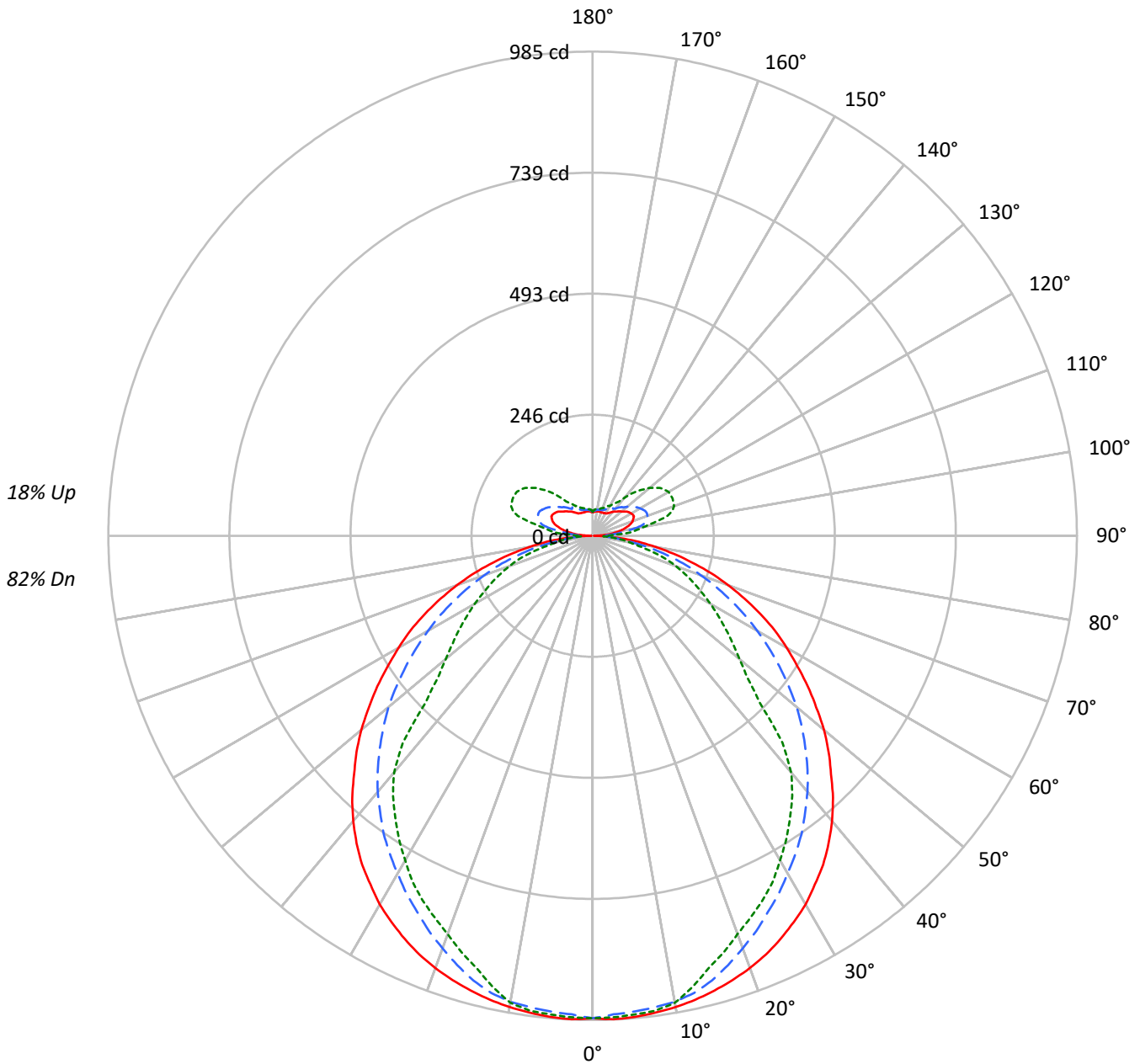
Lumens per Lamp: N/A
Luminaire Lumens: 3179.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.16 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	5283	5283	5283
5°	5309	5249	5281
10°	5321	5261	5272
15°	5336	5220	5075
20°	5360	5115	4938
25°	5374	5013	4859
30°	5382	4931	4739
35°	5370	4867	4598
40°	5323	4777	4414
45°	5221	4660	3659
50°	5143	4535	3260
55°	5016	4353	3101
60°	4908	4158	2979
65°	4792	3930	2891
70°	4606	3681	2836
75°	4348	3375	2608
80°	3980	2839	2315
85°	3563	2458	2334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	2.9
10°-20°	264.3	8.3
20°-30°	394.4	12.4
30°-40°	469.9	14.8
40°-50°	467.4	14.7
50°-60°	400.6	12.6
60°-70°	301.7	9.5
70°-80°	174.7	5.5
80°-90°	52.5	1.7
90°-100°	56.4	1.8
100°-110°	115.8	3.6
110°-120°	122.4	3.9
120°-130°	102.1	3.2
130°-140°	71.3	2.2
140°-150°	44.4	1.4
150°-160°	27.5	0.9
160°-170°	15.5	0.5
170°-180°	5.0	0.2
0°-30°	751.7	23.6
0°-40°	1221.6	38.4
0°-60°	2089.6	65.7
0°-90°	2618.5	82.4
90°-120°	294.6	9.3
90°-150°	512.4	16.1
90°-180°	560.0	17.6
0°-180°	3179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	983	980	972	979	978	93
15°	958	957	937	921	911	271
25°	905	892	844	823	818	417
35°	817	795	741	712	700	510
45°	686	669	612	552	481	530
55°	535	527	464	368	330	478
65°	376	367	309	240	227	372
75°	209	202	162	129	125	221
85°	58	51	40	38	38	62
90°	3	14	24	30	32	6
95°	32	43	49	72	78	30
105°	75	78	112	149	158	77
115°	93	79	118	163	179	90
125°	86	76	102	150	169	76
135°	70	76	83	112	128	54
145°	57	66	72	77	82	36
155°	52	55	59	64	65	24
165°	51	53	55	57	57	14
175°	50	51	52	53	54	5
180°	49	49	49	49	49	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	981.6	981.6	981.6	981.6	981.6
2.5°	984.6	982.6	974.6	982.6	980.6
5°	982.6	979.6	971.6	978.6	977.6
7.5°	978.6	976.6	967.6	975.6	974.6
10°	973.6	970.6	962.7	968.6	964.7
12.5°	966.7	964.7	952.7	947.7	939.8
15°	957.7	956.7	936.8	920.9	910.9
17.5°	947.7	943.8	915.9	897.0	888.0
20°	935.8	929.8	893.0	871.1	862.1
22.5°	921.9	912.9	870.1	849.2	840.2
25°	904.9	892.0	844.2	823.3	818.3
27.5°	886.0	871.1	820.3	799.4	793.4
30°	866.1	847.2	793.4	773.5	762.6
32.5°	841.2	823.3	767.5	744.7	732.7
35°	817.3	795.4	740.7	711.8	699.9
37.5°	788.5	766.6	709.8	680.9	667.0
40°	757.6	735.7	679.9	646.1	628.2
42.5°	723.7	703.8	647.1	606.3	571.4
45°	685.9	669.0	612.2	551.5	480.8
47.5°	651.1	635.1	577.4	498.8	426.1
50°	614.2	599.3	541.6	449.0	389.3
52.5°	573.4	562.5	502.7	406.2	358.4
55°	534.6	526.6	463.9	368.3	330.5
57.5°	493.8	485.8	425.1	332.5	302.6
60°	456.0	448.0	386.3	300.6	276.8
62.5°	418.1	407.2	348.4	269.8	249.9
65°	376.3	367.3	308.6	239.9	227.0
67.5°	334.5	326.5	271.8	212.0	203.1
70°	292.7	285.7	233.9	185.2	180.2
72.5°	251.9	242.9	200.1	158.3	156.3
75°	209.1	202.1	162.3	129.4	125.4
77.5°	168.2	162.3	127.4	98.6	95.6
80°	128.4	122.4	91.6	71.7	74.7
82.5°	94.6	86.6	61.7	55.7	58.7
85°	57.7	50.8	39.8	37.8	37.8
87.5°	19.9	18.9	17.9	20.9	21.9
90°	3.0	13.9	23.9	29.9	31.9
92.5°	16.9	24.9	32.9	38.8	40.8
95°	31.9	42.8	48.8	71.7	77.7
97.5°	43.8	56.7	63.7	84.6	90.6
100°	55.7	67.7	89.6	100.5	107.5
102.5°	65.7	74.7	105.5	127.4	131.4
105°	74.7	77.7	111.5	149.3	158.3



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CATALOG NUMBER: 4WSLA-75-L850-UPL15-UNV-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	89.6	79.6	119.5	162.3	178.2
115°	92.6	78.6	118.5	163.3	179.2
117.5°	92.6	78.6	115.5	163.3	179.2
120°	90.6	79.6	111.5	161.3	178.2
122.5°	88.6	77.7	107.5	157.3	174.2
125°	85.6	75.7	102.5	150.3	169.2
127.5°	80.6	77.7	97.6	141.4	160.3
130°	76.7	78.6	91.6	132.4	151.3
132.5°	73.7	76.7	85.6	122.4	139.4
135°	69.7	75.7	82.6	111.5	128.4
137.5°	66.7	72.7	77.7	101.5	115.5
140°	63.7	70.7	72.7	88.6	100.5
142.5°	59.7	67.7	68.7	82.6	87.6
145°	56.7	65.7	71.7	76.7	81.6
147.5°	53.8	61.7	69.7	70.7	75.7
150°	52.8	57.7	66.7	67.7	69.7
152.5°	51.8	55.7	61.7	67.7	68.7
155°	51.8	54.8	58.7	63.7	64.7
157.5°	50.8	54.8	56.7	60.7	61.7
160°	50.8	53.8	55.7	58.7	59.7
162.5°	50.8	53.8	54.8	57.7	58.7
165°	50.8	52.8	54.8	56.7	56.7
167.5°	50.8	52.8	53.8	55.7	55.7
170°	50.8	51.8	53.8	54.8	54.8
172.5°	49.8	51.8	52.8	54.8	54.8
175°	49.8	50.8	51.8	52.8	53.8
177.5°	47.8	50.8	51.8	52.8	51.8
180°	48.8	48.8	48.8	48.8	48.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	81.6	78.6	115.5	157.3	170.2
110°	86.6	79.6	118.5	160.3	176.2



(END OF REPORT)