

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: P520608

Luminaire Tested: **4WSLA-75-L835-UPL8-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520608
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-L835-UPL8-UNV-U
Description: 4 FOOT, 750 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 3500K, 80 CRI
LEDS WITH 8% UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

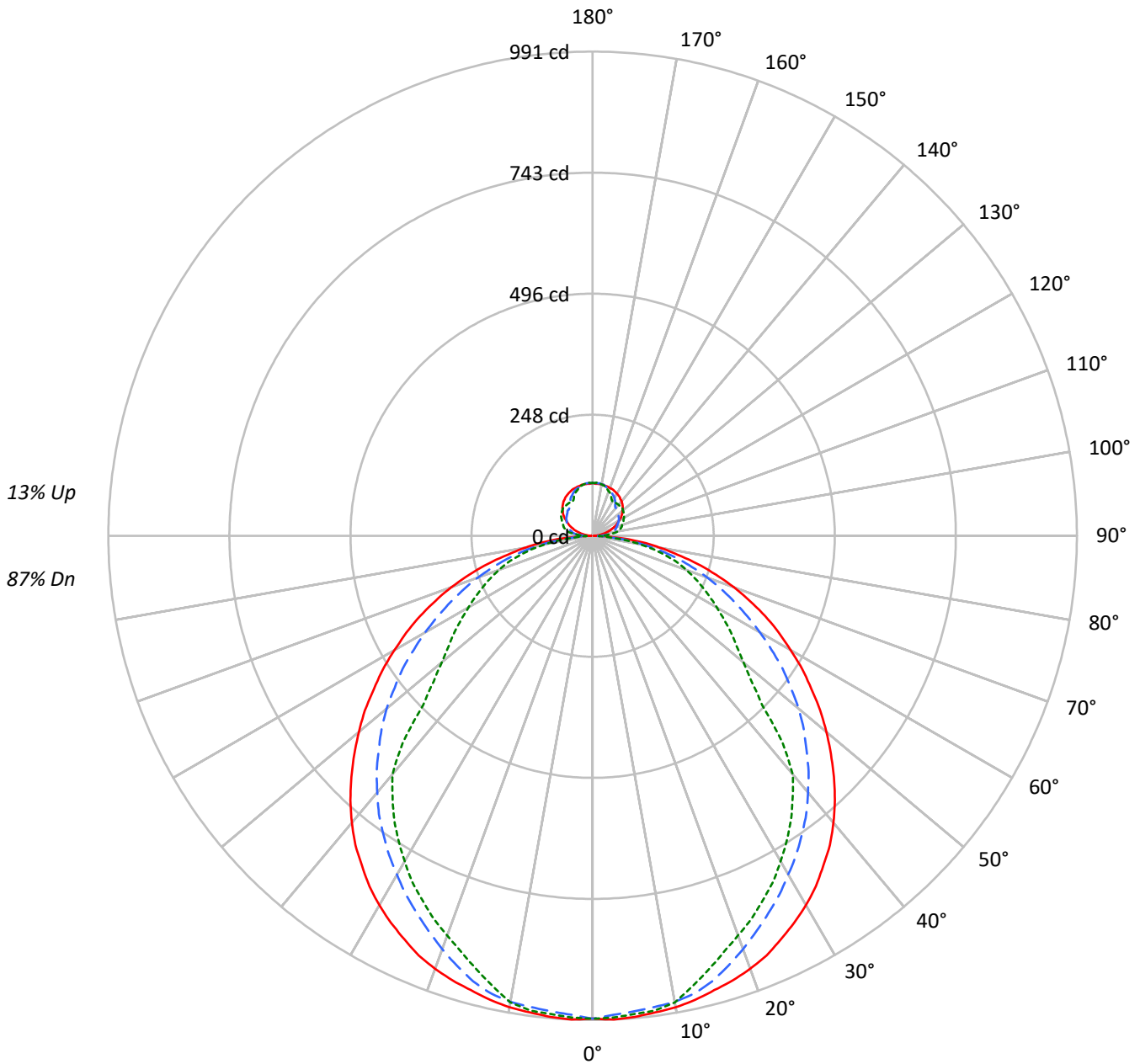
Lumens per Lamp: N/A
Luminaire Lumens: 3076.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	5320	5320	5320
5°	5340	5278	5309
10°	5355	5293	5300
15°	5365	5261	5119
20°	5400	5156	4985
25°	5413	5059	4890
30°	5427	4976	4781
35°	5410	4905	4653
40°	5385	4816	4476
45°	5315	4708	3734
50°	5227	4608	3370
55°	5124	4457	3243
60°	5036	4256	3154
65°	4963	4075	3152
70°	4834	3917	3201
75°	4614	3726	3223
80°	4320	3350	2997
85°	3952	2371	2019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.0
10°-20°	266.0	8.6
20°-30°	397.5	12.9
30°-40°	474.5	15.4
40°-50°	474.5	15.4
50°-60°	410.7	13.4
60°-70°	315.2	10.2
70°-80°	193.2	6.3
80°-90°	54.4	1.8
90°-100°	30.7	1.0
100°-110°	48.8	1.6
110°-120°	57.0	1.9
120°-130°	61.6	2.0
130°-140°	60.7	2.0
140°-150°	53.7	1.7
150°-160°	44.2	1.4
160°-170°	29.6	1.0
170°-180°	10.3	0.3
0°-30°	757.1	24.6
0°-40°	1231.6	40.0
0°-60°	2116.8	68.8
0°-90°	2679.5	87.1
90°-120°	136.5	4.4
90°-150°	312.4	10.2
90°-180°	396.0	12.9
0°-180°	3076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	988	986	977	984	983	94
15°	963	961	944	927	919	272
25°	912	900	852	829	823	421
35°	823	802	747	720	708	516
45°	698	678	619	563	491	538
55°	546	533	475	380	346	490
65°	390	375	320	257	248	385
75°	222	210	179	155	155	234
85°	64	53	38	33	33	67
90°	3	10	16	20	21	4
95°	11	24	33	34	34	11
105°	33	34	48	57	60	34
115°	54	46	57	65	70	53
125°	72	58	65	75	78	65
135°	87	78	72	80	84	67
145°	97	92	81	80	82	60
155°	102	101	95	91	90	47
165°	105	107	104	104	104	30
175°	107	108	108	110	110	10
180°	108	108	108	108	108	



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CATALOG NUMBER: 4WSLA-75-L835-UPL8-UNV-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.4	988.4	988.4	988.4	988.4
2.5°	991.2	988.4	981.3	988.4	987.0
5°	988.4	985.5	977.0	984.1	982.7
7.5°	984.1	981.3	972.7	981.3	979.9
10°	979.9	977.0	968.5	974.2	969.9
12.5°	972.7	969.9	959.9	952.8	944.3
15°	962.8	961.4	944.3	927.2	918.7
17.5°	954.3	950.0	923.0	903.1	893.1
20°	942.9	935.8	900.2	877.5	870.4
22.5°	930.1	918.7	876.0	854.7	849.0
25°	911.6	900.2	851.9	829.1	823.4
27.5°	893.1	878.9	827.7	804.9	799.2
30°	873.2	853.3	800.7	779.3	769.4
32.5°	850.4	830.5	775.1	750.9	739.5
35°	823.4	802.1	746.6	719.6	708.2
37.5°	797.8	775.1	718.2	688.3	672.7
40°	766.5	743.8	685.5	652.8	637.1
42.5°	733.8	712.5	654.2	614.4	576.0
45°	698.3	678.4	618.6	563.2	490.6
47.5°	661.3	644.2	585.9	510.6	440.9
50°	624.3	607.3	550.4	460.8	402.5
52.5°	587.3	573.1	510.6	419.5	371.2
55°	546.1	533.3	475.0	379.7	345.6
57.5°	509.1	496.3	433.8	347.0	318.6
60°	467.9	456.5	395.4	314.3	293.0
62.5°	429.5	416.7	357.0	285.9	270.2
65°	389.7	375.4	320.0	257.4	247.5
67.5°	348.4	334.2	284.4	231.8	226.1
70°	307.2	295.8	248.9	206.2	203.4
72.5°	264.5	251.7	213.3	182.0	182.0
75°	221.9	210.5	179.2	155.0	155.0
77.5°	177.8	172.1	143.6	126.6	128.0
80°	139.4	132.3	108.1	96.7	96.7
82.5°	102.4	93.9	72.5	64.0	66.8
85°	64.0	52.6	38.4	32.7	32.7
87.5°	19.9	15.6	11.4	12.8	12.8
90°	2.8	10.0	15.6	19.9	21.3
92.5°	7.1	18.5	22.8	27.0	28.4
95°	11.4	24.2	32.7	34.1	34.1
97.5°	15.6	27.0	39.8	45.5	45.5
100°	21.3	28.4	42.7	51.2	52.6
102.5°	27.0	31.3	45.5	54.0	56.9
105°	32.7	34.1	48.4	56.9	59.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	48.4	42.7	54.0	64.0	66.8
115°	54.0	45.5	56.9	65.4	69.7
117.5°	58.3	49.8	59.7	68.3	71.1
120°	62.6	52.6	61.2	71.1	74.0
122.5°	68.3	55.5	64.0	72.5	76.8
125°	72.5	58.3	65.4	75.4	78.2
127.5°	76.8	64.0	66.8	76.8	79.6
130°	79.6	69.7	68.3	78.2	81.1
132.5°	83.9	74.0	69.7	79.6	82.5
135°	86.8	78.2	72.5	79.6	83.9
137.5°	89.6	82.5	72.5	79.6	82.5
140°	92.4	86.8	74.0	79.6	82.5
142.5°	93.9	89.6	75.4	79.6	82.5
145°	96.7	92.4	81.1	79.6	82.5
147.5°	98.1	95.3	85.3	79.6	82.5
150°	99.6	98.1	89.6	81.1	81.1
152.5°	101.0	99.6	92.4	86.8	83.9
155°	102.4	101.0	95.3	91.0	89.6
157.5°	103.8	103.8	98.1	95.3	93.9
160°	103.8	105.2	101.0	98.1	96.7
162.5°	105.2	106.7	102.4	101.0	99.6
165°	105.2	106.7	103.8	103.8	103.8
167.5°	106.7	108.1	106.7	105.2	105.2
170°	106.7	108.1	106.7	106.7	106.7
172.5°	106.7	108.1	108.1	108.1	108.1
175°	106.7	108.1	108.1	109.5	109.5
177.5°	106.7	108.1	108.1	108.1	108.1
180°	108.1	108.1	108.1	108.1	108.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	38.4	37.0	49.8	59.7	62.6
110°	42.7	39.8	52.6	61.2	64.0



(END OF REPORT)