

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: METALUX

Report Number: P284500

Luminaire Tested: **4SNLED-LD5-25SL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-25SL-SLW-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2518.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

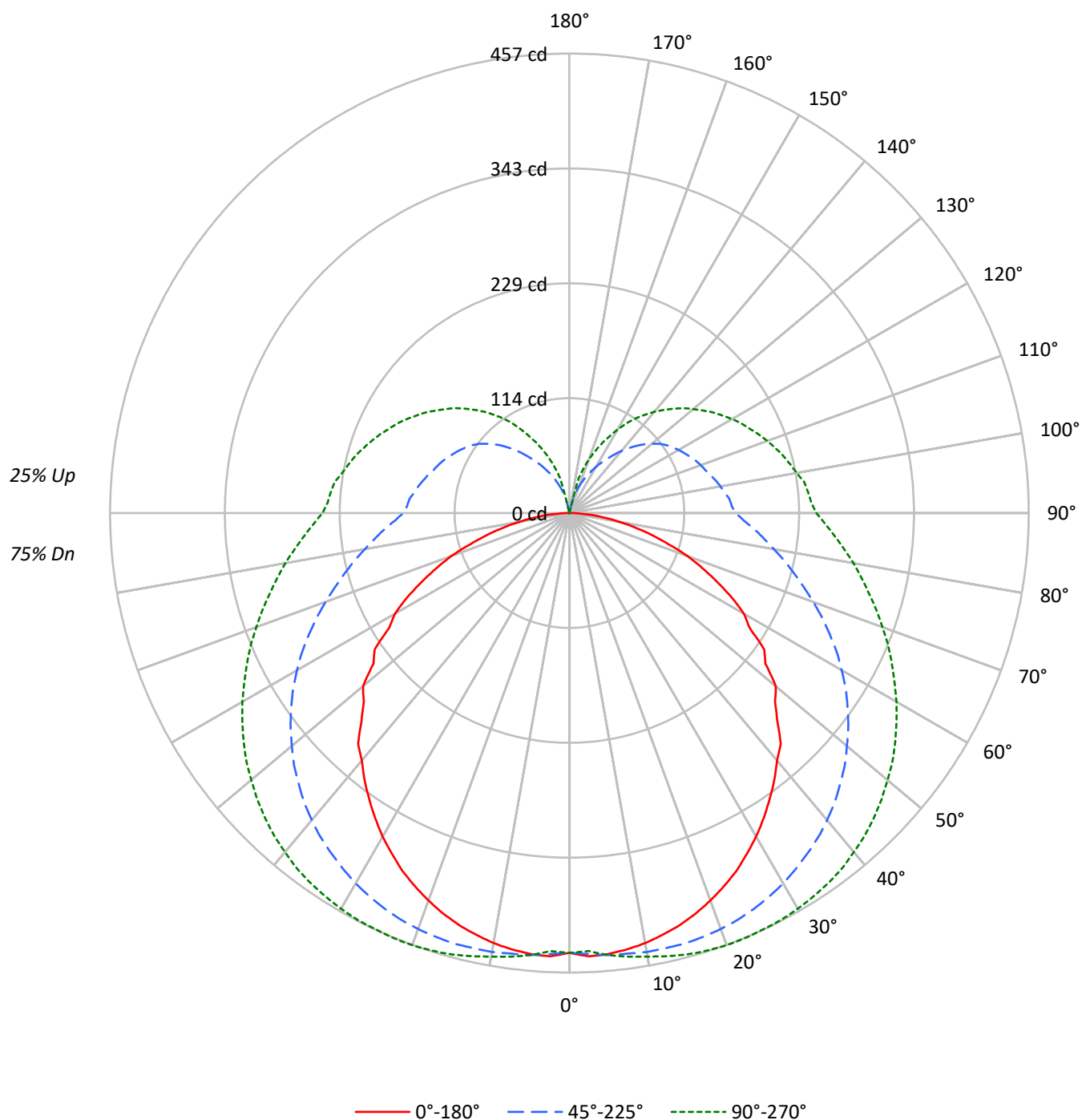
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75		
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56		
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44		
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36		
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30		
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25		
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22		
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19		
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17		
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15		
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3534	3534	3534
5°	3561	3492	3466
10°	3544	3461	3447
15°	3519	3443	3454
20°	3486	3427	3461
25°	3453	3415	3466
30°	3405	3404	3485
35°	3353	3392	3508
40°	3303	3389	3531
45°	3240	3382	3560
50°	3249	3375	3588
55°	3191	3375	3630
60°	3074	3376	3680
65°	2905	3380	3748
70°	2718	3406	3853
75°	2385	3485	4009
80°	2012	3651	4267
85°	1496	3993	4644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.7
10°-20°	124.6	4.9
20°-30°	198.0	7.9
30°-40°	254.1	10.1
40°-50°	286.9	11.4
50°-60°	292.8	11.6
60°-70°	271.2	10.8
70°-80°	229.6	9.1
80°-90°	183.3	7.3
90°-100°	155.7	6.2
100°-110°	138.7	5.5
110°-120°	118.1	4.7
120°-130°	93.8	3.7
130°-140°	66.6	2.6
140°-150°	39.7	1.6
150°-160°	18.5	0.7
160°-170°	4.4	0.2
170°-180°	0.0	0.0
0°-30°	364.6	14.5
0°-40°	618.6	24.6
0°-60°	1198.3	47.6
0°-90°	1882.5	74.8
90°-120°	412.5	16.4
90°-150°	612.6	24.3
90°-180°	635.0	25.2
0°-180°	2518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	440	437	441	441	441	42
15°	424	428	443	451	454	120
25°	393	406	434	450	457	181
35°	347	373	413	438	449	217
45°	292	332	381	414	428	227
55°	237	276	338	379	396	208
65°	162	216	286	335	354	161
75°	85	151	231	288	308	91
85°	22	97	185	244	265	24
90°	1	79	165	225	246	2
95°	0	75	160	218	238	0
105°	0	69	146	200	220	0
115°	0	64	132	180	198	0
125°	0	55	118	159	174	0
135°	0	41	95	134	147	0
145°	0	27	66	101	115	0
155°	1	17	41	62	76	0
165°	1	9	18	25	36	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	437.3	437.3	437.3	437.3	437.3
2.5°	441.3	436.7	439.1	438.4	436.1
5°	440.2	436.7	441.3	441.3	441.3
7.5°	437.8	435.4	442.0	444.4	445.0
10°	434.3	434.3	443.2	446.7	447.9
12.5°	429.5	431.3	443.2	448.5	451.4
15°	424.2	427.7	443.2	451.4	454.4
17.5°	417.7	423.6	442.0	452.0	456.2
20°	410.0	419.0	440.2	452.0	457.4
22.5°	401.7	413.1	437.8	450.9	457.4
25°	392.9	405.9	434.3	449.6	456.8
27.5°	382.2	398.8	430.1	447.9	456.2
30°	371.5	390.5	425.4	445.5	454.4
32.5°	359.7	381.6	419.4	442.0	452.0
35°	347.3	372.8	413.1	438.4	449.1
37.5°	334.8	362.1	406.5	433.7	445.5
40°	321.3	351.4	398.8	427.7	440.2
42.5°	311.2	340.3	390.5	421.8	434.9
45°	292.4	331.9	381.0	414.2	428.4
47.5°	277.5	316.0	371.5	406.5	421.2
50°	268.1	302.9	360.4	397.6	413.1
52.5°	245.6	294.1	349.7	388.8	405.2
55°	236.6	276.4	337.9	379.2	395.8
57.5°	212.4	263.9	326.0	368.7	385.8
60°	200.5	246.7	312.9	358.0	375.7
62.5°	182.2	232.0	300.0	346.2	364.5
65°	162.1	216.0	285.8	334.8	353.8
67.5°	143.2	200.1	272.2	323.0	343.1
70°	124.9	183.5	258.0	311.2	331.3
72.5°	103.5	166.9	244.3	300.0	320.1
75°	85.3	150.9	231.4	288.2	308.3
77.5°	67.4	135.6	218.9	277.5	297.6
80°	50.9	120.7	206.4	266.3	286.9
82.5°	35.4	108.3	195.3	255.6	275.7
85°	21.9	97.1	184.6	244.3	265.0
87.5°	10.1	87.0	173.9	233.8	255.0
90°	1.1	79.4	165.1	224.8	245.6
92.5°	0.6	77.0	161.6	220.7	240.8
95°	0.0	74.6	159.8	218.3	238.4
97.5°	0.0	72.2	155.7	214.8	235.5
100°	0.0	71.1	152.6	209.5	229.6
102.5°	0.0	69.3	149.1	204.7	224.8
105°	0.0	68.7	145.6	200.5	220.2
107.5°	0.0	67.4	141.9	195.3	214.8
110°	0.0	66.3	139.1	190.5	209.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	65.1	136.0	185.9	204.1
115°	0.0	63.9	132.5	180.4	198.1
117.5°	0.0	62.1	129.0	175.2	192.9
120°	0.0	59.7	125.5	170.4	187.0
122.5°	0.0	57.3	121.8	164.5	180.4
125°	0.0	55.1	117.7	159.2	174.5
127.5°	0.0	51.4	113.0	153.3	167.5
130°	0.0	47.9	107.1	147.4	160.9
132.5°	0.6	44.4	101.2	140.8	154.4
135°	0.0	40.9	94.7	134.3	146.7
137.5°	0.0	37.8	87.5	127.3	139.1
140°	0.0	34.3	80.5	119.0	131.4
142.5°	0.0	30.2	73.4	110.0	123.1
145°	0.0	26.7	66.3	100.6	114.8
147.5°	0.6	23.6	59.7	90.5	105.9
150°	0.6	21.2	53.3	80.5	95.8
152.5°	0.6	19.0	46.8	71.1	85.7
155°	0.6	16.6	40.9	61.5	76.3
157.5°	0.6	14.2	34.3	52.1	66.3
160°	0.6	12.5	28.4	43.7	56.8
162.5°	0.6	10.7	23.2	34.3	46.8
165°	0.6	8.9	18.4	25.4	36.1
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)