

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: P284503

Luminaire Tested: **4SNLED-LD5-35SL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284503
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-LD5-35SL-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: 3494.0 lumens
Efficiency: N/A
Efficacy: 112.7 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

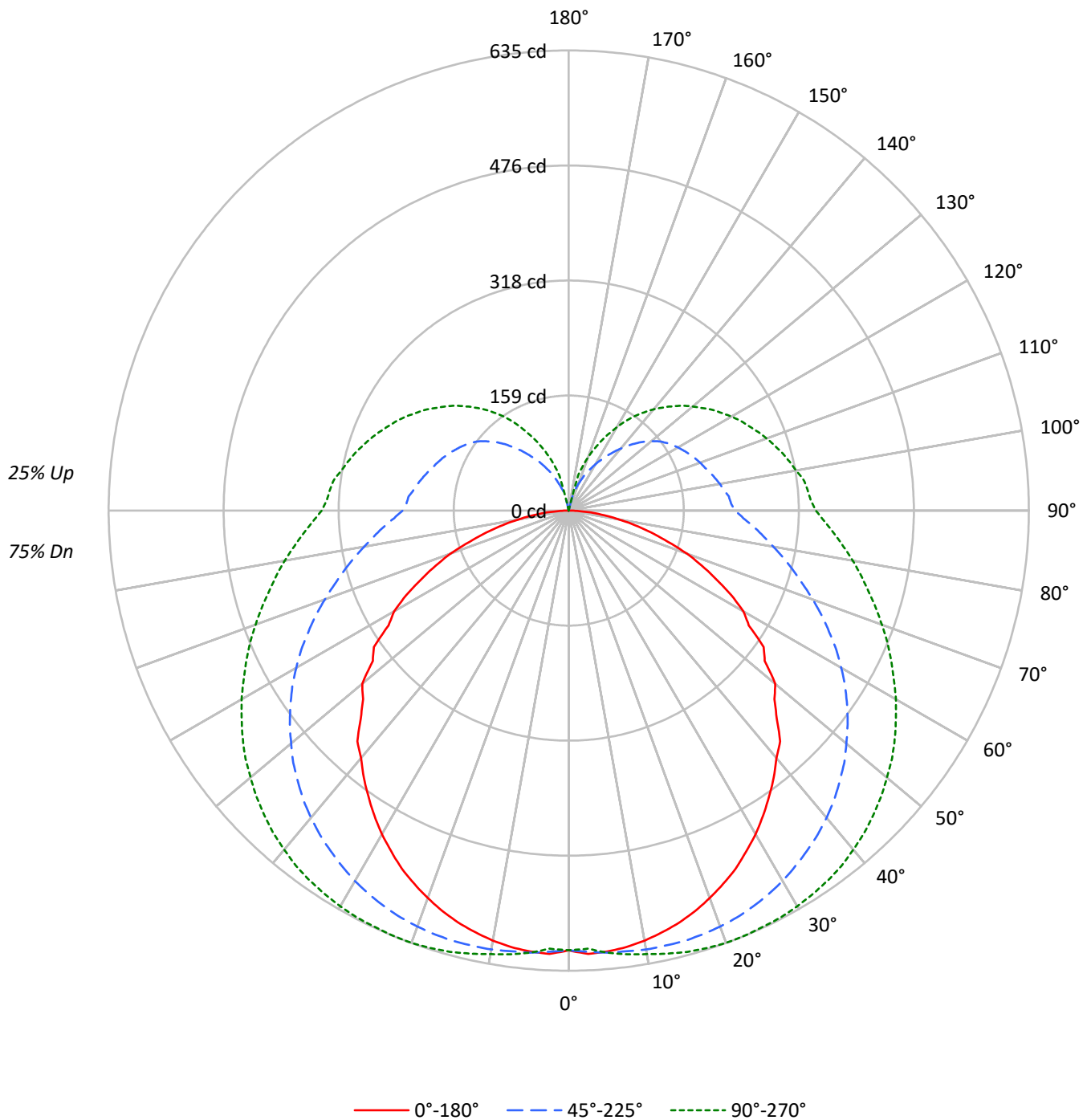
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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°	4904	4904	4904
5°	4941	4846	4810
10°	4918	4803	4783
15°	4884	4777	4793
20°	4838	4755	4803
25°	4791	4738	4810
30°	4726	4723	4835
35°	4652	4707	4868
40°	4583	4703	4900
45°	4496	4692	4939
50°	4509	4683	4979
55°	4428	4682	5037
60°	4267	4685	5106
65°	4030	4691	5201
70°	3771	4726	5347
75°	3308	4835	5563
80°	2795	5068	5921
85°	2077	5540	6446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	1.7
10°-20°	172.8	4.9
20°-30°	274.7	7.9
30°-40°	352.6	10.1
40°-50°	398.1	11.4
50°-60°	406.3	11.6
60°-70°	376.4	10.8
70°-80°	318.7	9.1
80°-90°	254.4	7.3
90°-100°	216.0	6.2
100°-110°	192.4	5.5
110°-120°	163.9	4.7
120°-130°	130.2	3.7
130°-140°	92.4	2.6
140°-150°	55.1	1.6
150°-160°	25.7	0.7
160°-170°	6.1	0.2
170°-180°	0.0	0.0
0°-30°	505.9	14.5
0°-40°	858.4	24.6
0°-60°	1662.8	47.6
0°-90°	2612.2	74.8
90°-120°	572.3	16.4
90°-150°	850.0	24.3
90°-180°	882.0	25.2
0°-180°	3494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	611	606	612	612	612	58
15°	589	594	615	626	630	166
25°	545	563	603	624	634	251
35°	482	517	573	608	623	302
45°	406	461	529	575	594	315
55°	328	384	469	526	549	288
65°	225	300	397	465	491	223
75°	118	209	321	400	428	126
85°	30	135	256	339	368	33
90°	2	110	229	312	341	2
95°	0	104	222	303	331	0
105°	0	95	202	278	306	0
115°	0	89	184	250	275	0
125°	0	76	163	221	242	0
135°	0	57	131	186	204	0
145°	0	37	92	140	159	0
155°	1	23	57	85	106	0
165°	1	12	26	35	50	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°	606.8	606.8	606.8	606.8	606.8
2.5°	612.4	606.0	609.3	608.4	605.1
5°	610.8	606.0	612.4	612.4	612.4
7.5°	607.5	604.2	613.3	616.6	617.5
10°	602.6	602.6	615.0	619.9	621.5
12.5°	596.0	598.4	615.0	622.4	626.3
15°	588.7	593.5	615.0	626.3	630.5
17.5°	579.6	587.8	613.3	627.2	633.0
20°	569.0	581.4	610.8	627.2	634.8
22.5°	557.4	573.2	607.5	625.7	634.8
25°	545.2	563.2	602.6	623.9	633.9
27.5°	530.4	553.4	596.9	621.5	633.0
30°	515.6	541.9	590.2	618.1	630.5
32.5°	499.2	529.5	582.0	613.3	627.2
35°	481.9	517.3	573.2	608.4	623.2
37.5°	464.6	502.5	564.1	601.7	618.1
40°	445.8	487.6	553.4	593.5	610.8
42.5°	431.8	472.1	541.9	585.4	603.5
45°	405.7	460.6	528.6	574.7	594.4
47.5°	385.1	438.5	515.6	564.1	584.5
50°	372.0	420.3	500.1	551.7	573.2
52.5°	340.8	408.1	485.2	539.5	562.3
55°	328.3	383.5	468.8	526.2	549.2
57.5°	294.7	366.2	452.4	511.6	535.3
60°	278.3	342.3	434.2	496.7	521.3
62.5°	252.8	321.9	416.3	480.3	505.8
65°	224.9	299.8	396.6	464.6	491.0
67.5°	198.7	277.6	377.8	448.2	476.1
70°	173.3	254.6	358.0	431.8	459.7
72.5°	143.6	231.5	339.0	416.3	444.2
75°	118.3	209.4	321.0	399.9	427.8
77.5°	93.5	188.1	303.8	385.1	413.0
80°	70.7	167.5	286.5	369.6	398.1
82.5°	49.2	150.2	271.0	354.7	382.6
85°	30.4	134.7	256.1	339.0	367.8
87.5°	14.0	120.7	241.3	324.4	353.8
90°	1.6	110.1	229.1	312.0	340.8
92.5°	0.9	106.8	224.2	306.2	334.1
95°	0.0	103.5	221.8	302.9	330.8
97.5°	0.0	100.1	216.0	298.0	326.8
100°	0.0	98.6	211.8	290.7	318.6
102.5°	0.0	96.2	206.9	284.0	312.0
105°	0.0	95.3	202.1	278.3	305.5
107.5°	0.0	93.5	197.0	271.0	298.0
110°	0.0	91.9	193.0	264.3	290.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.4	188.8	257.9	283.1
115°	0.0	88.6	183.9	250.4	275.0
117.5°	0.0	86.2	179.0	243.0	267.6
120°	0.0	82.9	174.1	236.4	259.4
122.5°	0.0	79.5	169.0	228.2	250.4
125°	0.0	76.4	163.3	220.9	242.2
127.5°	0.0	71.3	156.9	212.7	232.4
130°	0.0	66.5	148.7	204.5	223.3
132.5°	0.9	61.6	140.5	195.4	214.2
135°	0.0	56.7	131.4	186.3	203.6
137.5°	0.0	52.5	121.4	176.6	193.0
140°	0.0	47.6	111.7	165.1	182.3
142.5°	0.0	41.9	101.9	152.7	170.8
145°	0.0	37.0	91.9	139.6	159.3
147.5°	0.9	32.8	82.9	125.6	146.9
150°	0.9	29.5	74.0	111.7	132.9
152.5°	0.9	26.4	64.9	98.6	119.0
155°	0.9	23.0	56.7	85.3	105.9
157.5°	0.9	19.7	47.6	72.2	91.9
160°	0.9	17.3	39.4	60.7	78.9
162.5°	0.9	14.8	32.1	47.6	64.9
165°	0.9	12.4	25.5	35.2	50.1
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)