

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: P284736

Luminaire Tested: **4SNLED-LD5-32SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284736
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-LD5-32SL-SLW-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2943.0 lumens
Efficiency: N/A
Efficacy: 105.1 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

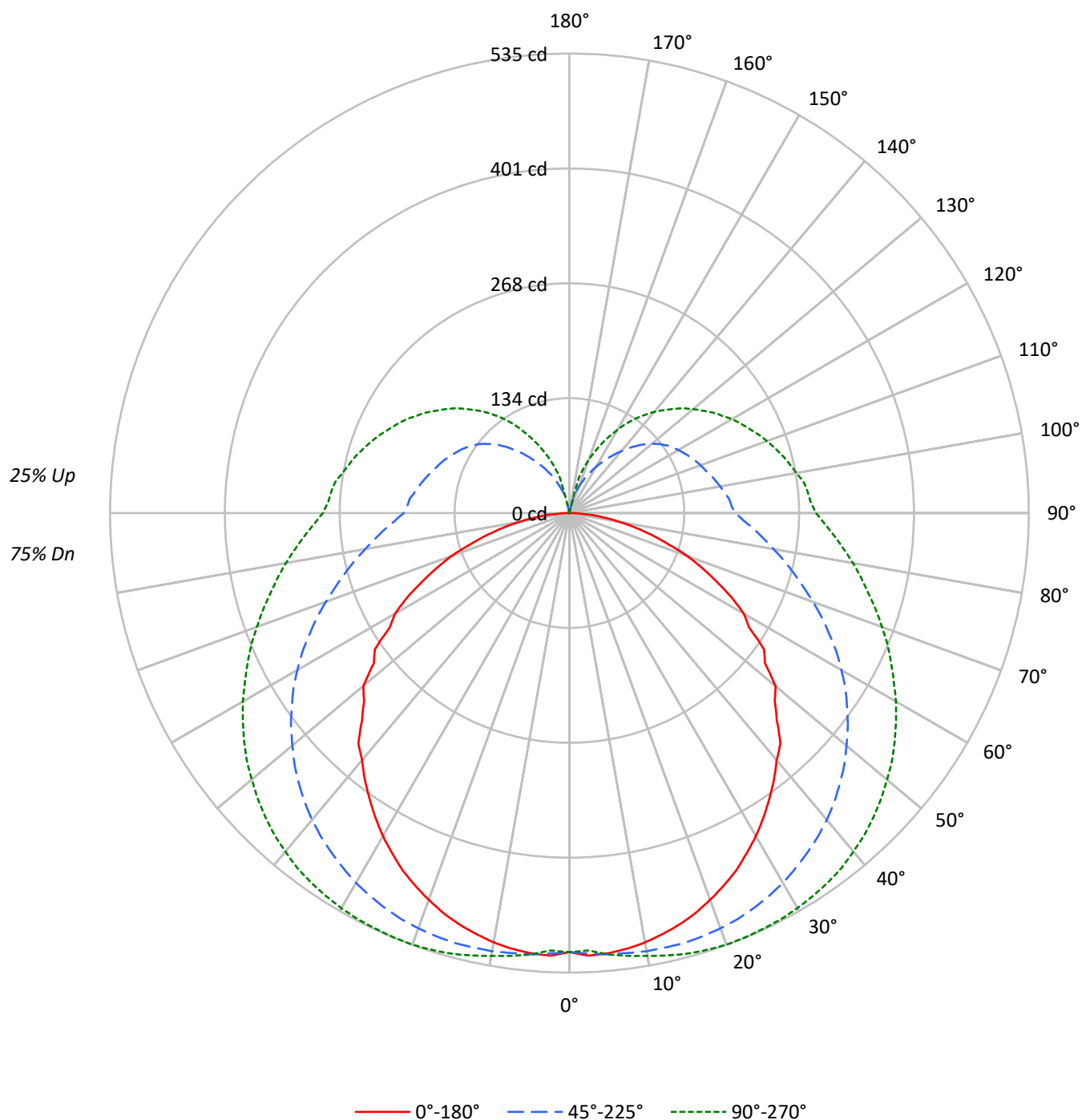
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4130	4130	4130
5°	4162	4081	4051
10°	4142	4045	4029
15°	4113	4024	4037
20°	4075	4005	4046
25°	4036	3991	4051
30°	3981	3978	4073
35°	3919	3965	4101
40°	3860	3962	4127
45°	3787	3953	4160
50°	3797	3944	4194
55°	3730	3944	4243
60°	3594	3947	4301
65°	3394	3951	4380
70°	3175	3981	4504
75°	2788	4073	4687
80°	2352	4269	4989
85°	1749	4666	5429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.7
10°-20°	145.6	4.9
20°-30°	231.4	7.9
30°-40°	297.0	10.1
40°-50°	335.4	11.4
50°-60°	342.2	11.6
60°-70°	317.0	10.8
70°-80°	268.4	9.1
80°-90°	214.2	7.3
90°-100°	181.9	6.2
100°-110°	162.1	5.5
110°-120°	138.0	4.7
120°-130°	109.6	3.7
130°-140°	77.8	2.6
140°-150°	46.4	1.6
150°-160°	21.6	0.7
160°-170°	5.1	0.2
170°-180°	0.0	0.0
0°-30°	426.1	14.5
0°-40°	723.1	24.6
0°-60°	1400.6	47.6
0°-90°	2200.3	74.8
90°-120°	482.0	16.4
90°-150°	715.9	24.3
90°-180°	743.0	25.2
0°-180°	2943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	514	510	516	516	516	49
15°	496	500	518	528	531	140
25°	459	474	508	526	534	211
35°	406	436	483	512	525	254
45°	342	388	445	484	501	265
55°	277	323	395	443	463	243
65°	189	252	334	391	414	188
75°	100	176	270	337	360	106
85°	26	114	216	286	310	28
90°	1	93	193	263	287	2
95°	0	87	187	255	279	0
105°	0	80	170	234	257	0
115°	0	75	155	211	232	0
125°	0	64	138	186	204	0
135°	0	48	111	157	172	0
145°	0	31	77	118	134	0
155°	1	19	48	72	89	0
165°	1	10	22	30	42	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°	511.1	511.1	511.1	511.1	511.1
2.5°	515.8	510.4	513.2	512.4	509.7
5°	514.5	510.4	515.8	515.8	515.8
7.5°	511.7	508.9	516.6	519.4	520.1
10°	507.6	507.6	518.0	522.2	523.5
12.5°	502.0	504.1	518.0	524.2	527.6
15°	495.8	499.9	518.0	527.6	531.1
17.5°	488.2	495.1	516.6	528.3	533.2
20°	479.2	489.7	514.5	528.3	534.7
22.5°	469.5	482.8	511.7	527.0	534.7
25°	459.3	474.4	507.6	525.5	533.9
27.5°	446.8	466.2	502.7	523.5	533.2
30°	434.3	456.5	497.1	520.7	531.1
32.5°	420.4	446.0	490.2	516.6	528.3
35°	405.9	435.8	482.8	512.4	525.0
37.5°	391.3	423.2	475.1	506.9	520.7
40°	375.5	410.7	466.2	499.9	514.5
42.5°	363.7	397.7	456.5	493.0	508.3
45°	341.7	388.0	445.3	484.1	500.7
47.5°	324.3	369.3	434.3	475.1	492.3
50°	313.3	354.0	421.2	464.7	482.8
52.5°	287.0	343.7	408.7	454.4	473.6
55°	276.6	323.0	394.9	443.2	462.6
57.5°	248.2	308.5	381.1	430.9	450.9
60°	234.4	288.3	365.8	418.4	439.1
62.5°	212.9	271.2	350.7	404.6	426.0
65°	189.4	252.5	334.0	391.3	413.5
67.5°	167.4	233.8	318.2	377.5	401.0
70°	145.9	214.4	301.6	363.7	387.2
72.5°	120.9	195.0	285.5	350.7	374.2
75°	99.7	176.4	270.4	336.8	360.4
77.5°	78.8	158.4	255.9	324.3	347.9
80°	59.5	141.1	241.3	311.3	335.4
82.5°	41.4	126.5	228.2	298.8	322.3
85°	25.6	113.5	215.7	285.5	309.8
87.5°	11.8	101.7	203.2	273.2	298.0
90°	1.3	92.7	193.0	262.8	287.0
92.5°	0.7	89.9	188.9	257.9	281.4
95°	0.0	87.2	186.8	255.1	278.6
97.5°	0.0	84.4	182.0	251.0	275.3
100°	0.0	83.0	178.4	244.8	268.4
102.5°	0.0	81.0	174.3	239.2	262.8
105°	0.0	80.2	170.2	234.4	257.3
107.5°	0.0	78.8	165.9	228.2	251.0
110°	0.0	77.4	162.5	222.6	244.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	76.1	159.0	217.2	238.5
115°	0.0	74.6	154.9	210.9	231.6
117.5°	0.0	72.6	150.8	204.7	225.4
120°	0.0	69.8	146.7	199.1	218.5
122.5°	0.0	67.0	142.4	192.2	210.9
125°	0.0	64.4	137.5	186.1	204.0
127.5°	0.0	60.1	132.1	179.2	195.8
130°	0.0	56.0	125.2	172.2	188.1
132.5°	0.7	51.9	118.3	164.6	180.5
135°	0.0	47.8	110.7	156.9	171.5
137.5°	0.0	44.2	102.3	148.7	162.5
140°	0.0	40.1	94.1	139.0	153.6
142.5°	0.0	35.3	85.8	128.6	143.9
145°	0.0	31.2	77.4	117.6	134.2
147.5°	0.7	27.6	69.8	105.8	123.7
150°	0.7	24.8	62.3	94.1	112.0
152.5°	0.7	22.2	54.7	83.0	100.2
155°	0.7	19.4	47.8	71.8	89.2
157.5°	0.7	16.6	40.1	60.8	77.4
160°	0.7	14.6	33.2	51.1	66.4
162.5°	0.7	12.5	27.1	40.1	54.7
165°	0.7	10.5	21.5	29.7	42.2
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)