

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: P284657

Luminaire Tested: **4SNLED-LD5-29SL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284657
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-LD5-29SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2451.9 lumens
Efficiency: N/A
Efficacy: 98.1 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

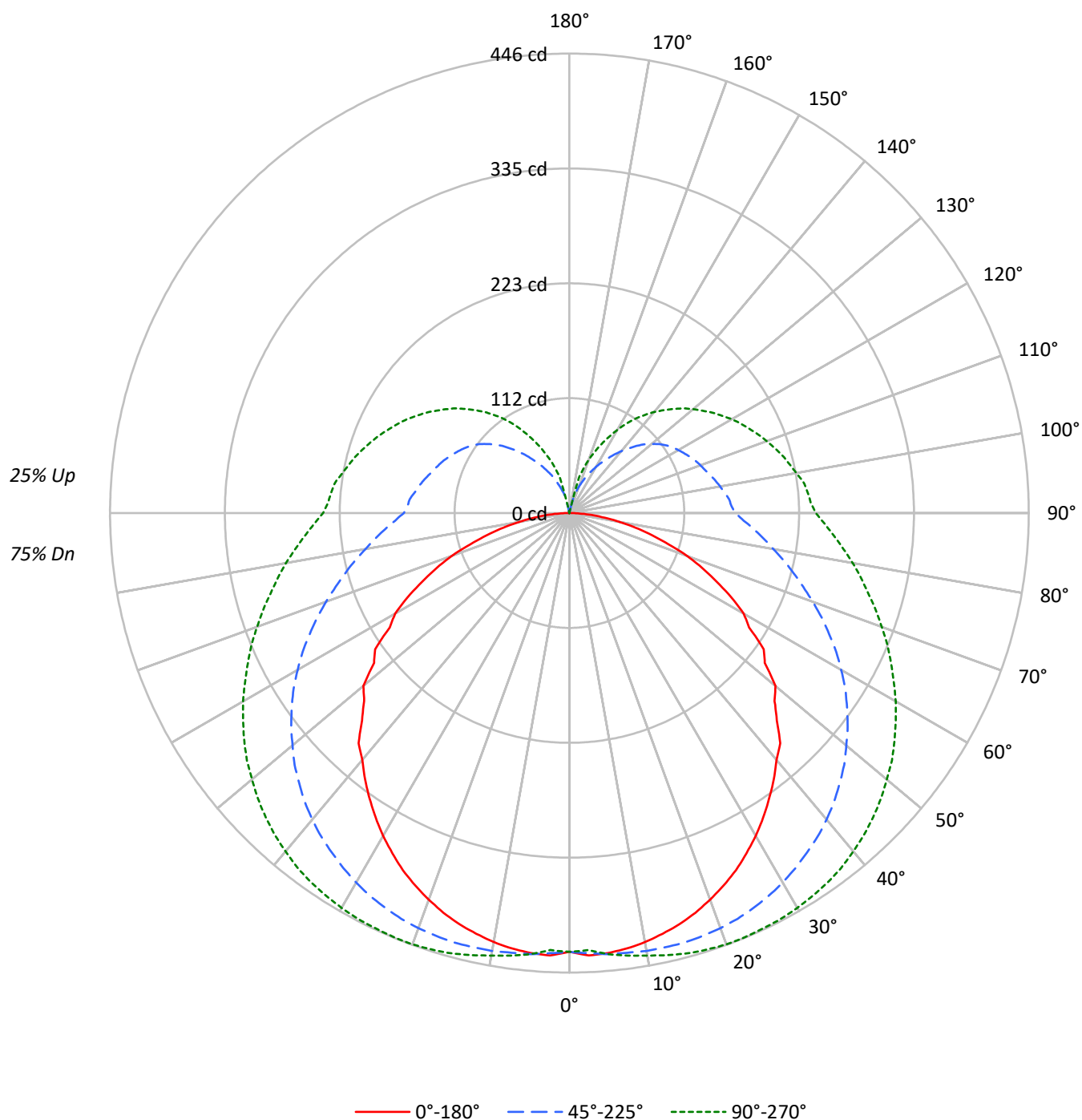
Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3442	3442	3442
5°	3468	3401	3376
10°	3451	3371	3356
15°	3427	3353	3364
20°	3395	3337	3371
25°	3362	3325	3375
30°	3316	3315	3394
35°	3265	3303	3417
40°	3215	3301	3439
45°	3155	3293	3467
50°	3165	3286	3494
55°	3107	3286	3535
60°	2994	3287	3583
65°	2828	3292	3649
70°	2646	3317	3752
75°	2321	3393	3904
80°	1961	3556	4156
85°	1455	3887	4523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.7
10°-20°	121.3	4.9
20°-30°	192.8	7.9
30°-40°	247.4	10.1
40°-50°	279.4	11.4
50°-60°	285.1	11.6
60°-70°	264.1	10.8
70°-80°	223.6	9.1
80°-90°	178.5	7.3
90°-100°	151.6	6.2
100°-110°	135.0	5.5
110°-120°	115.0	4.7
120°-130°	91.3	3.7
130°-140°	64.8	2.6
140°-150°	38.7	1.6
150°-160°	18.0	0.7
160°-170°	4.3	0.2
170°-180°	0.0	0.0
0°-30°	355.0	14.5
0°-40°	602.4	24.6
0°-60°	1166.9	47.6
0°-90°	1833.1	74.8
90°-120°	401.6	16.4
90°-150°	596.5	24.3
90°-180°	619.0	25.2
0°-180°	2451.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	429	425	430	430	430	41
15°	413	416	432	440	442	117
25°	383	395	423	438	445	176
35°	338	363	402	427	437	212
45°	285	323	371	403	417	221
55°	230	269	329	369	385	202
65°	158	210	278	326	344	157
75°	83	147	225	281	300	88
85°	21	94	180	238	258	23
90°	1	77	161	219	239	2
95°	0	73	156	212	232	0
105°	0	67	142	195	214	0
115°	0	62	129	176	193	0
125°	0	54	115	155	170	0
135°	0	40	92	131	143	0
145°	0	26	64	98	112	0
155°	1	16	40	60	74	0
165°	1	9	18	25	35	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°	425.9	425.9	425.9	425.9	425.9
2.5°	429.8	425.2	427.6	427.0	424.6
5°	428.7	425.2	429.8	429.8	429.8
7.5°	426.3	424.0	430.4	432.7	433.3
10°	422.9	422.9	431.6	435.0	436.1
12.5°	418.2	420.0	431.6	436.7	439.5
15°	413.1	416.5	431.6	439.5	442.5
17.5°	406.7	412.5	430.4	440.2	444.2
20°	399.3	408.0	428.7	440.2	445.5
22.5°	391.2	402.2	426.3	439.1	445.5
25°	382.6	395.2	422.9	437.8	444.8
27.5°	372.2	388.4	418.9	436.1	444.2
30°	361.8	380.3	414.2	433.8	442.5
32.5°	350.3	371.6	408.5	430.4	440.2
35°	338.2	363.1	402.2	427.0	437.4
37.5°	326.0	352.6	395.9	422.3	433.8
40°	312.8	342.2	388.4	416.5	428.7
42.5°	303.0	331.3	380.3	410.8	423.5
45°	284.7	323.2	371.0	403.3	417.2
47.5°	270.2	307.7	361.8	395.9	410.2
50°	261.1	294.9	350.9	387.2	402.2
52.5°	239.1	286.4	340.5	378.6	394.6
55°	230.4	269.1	329.0	369.3	385.4
57.5°	206.8	257.0	317.5	359.0	375.6
60°	195.3	240.2	304.7	348.6	365.8
62.5°	177.4	225.9	292.2	337.1	355.0
65°	157.8	210.4	278.3	326.0	344.5
67.5°	139.5	194.8	265.1	314.5	334.1
70°	121.6	178.6	251.3	303.0	322.6
72.5°	100.8	162.5	237.9	292.2	311.7
75°	83.0	146.9	225.3	280.6	300.2
77.5°	65.6	132.0	213.2	270.2	289.8
80°	49.6	117.5	201.0	259.3	279.4
82.5°	34.5	105.4	190.2	248.9	268.5
85°	21.3	94.5	179.7	237.9	258.1
87.5°	9.8	84.7	169.3	227.6	248.3
90°	1.1	77.3	160.8	218.9	239.1
92.5°	0.6	74.9	157.3	214.9	234.5
95°	0.0	72.6	155.6	212.5	232.1
97.5°	0.0	70.3	151.6	209.1	229.3
100°	0.0	69.2	148.6	204.0	223.6
102.5°	0.0	67.5	145.2	199.3	218.9
105°	0.0	66.9	141.8	195.3	214.4
107.5°	0.0	65.6	138.2	190.2	209.1
110°	0.0	64.5	135.4	185.5	204.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	63.4	132.5	181.0	198.7
115°	0.0	62.2	129.1	175.7	193.0
117.5°	0.0	60.5	125.6	170.6	187.8
120°	0.0	58.2	122.2	165.9	182.1
122.5°	0.0	55.8	118.6	160.1	175.7
125°	0.0	53.6	114.6	155.0	169.9
127.5°	0.0	50.1	110.1	149.3	163.1
130°	0.0	46.6	104.3	143.5	156.7
132.5°	0.6	43.2	98.6	137.1	150.4
135°	0.0	39.8	92.2	130.8	142.9
137.5°	0.0	36.8	85.2	123.9	135.4
140°	0.0	33.4	78.4	115.8	128.0
142.5°	0.0	29.4	71.5	107.1	119.9
145°	0.0	26.0	64.5	98.0	111.8
147.5°	0.6	23.0	58.2	88.2	103.1
150°	0.6	20.7	51.9	78.4	93.3
152.5°	0.6	18.5	45.6	69.2	83.5
155°	0.6	16.2	39.8	59.9	74.3
157.5°	0.6	13.8	33.4	50.7	64.5
160°	0.6	12.1	27.7	42.6	55.4
162.5°	0.6	10.4	22.5	33.4	45.6
165°	0.6	8.7	17.9	24.7	35.1
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)