

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: P284542

Luminaire Tested: **4SNLED-LD5-35SL-SLW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284542
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-L840-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3553.0 lumens
Efficiency: N/A
Efficacy: 114.6 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

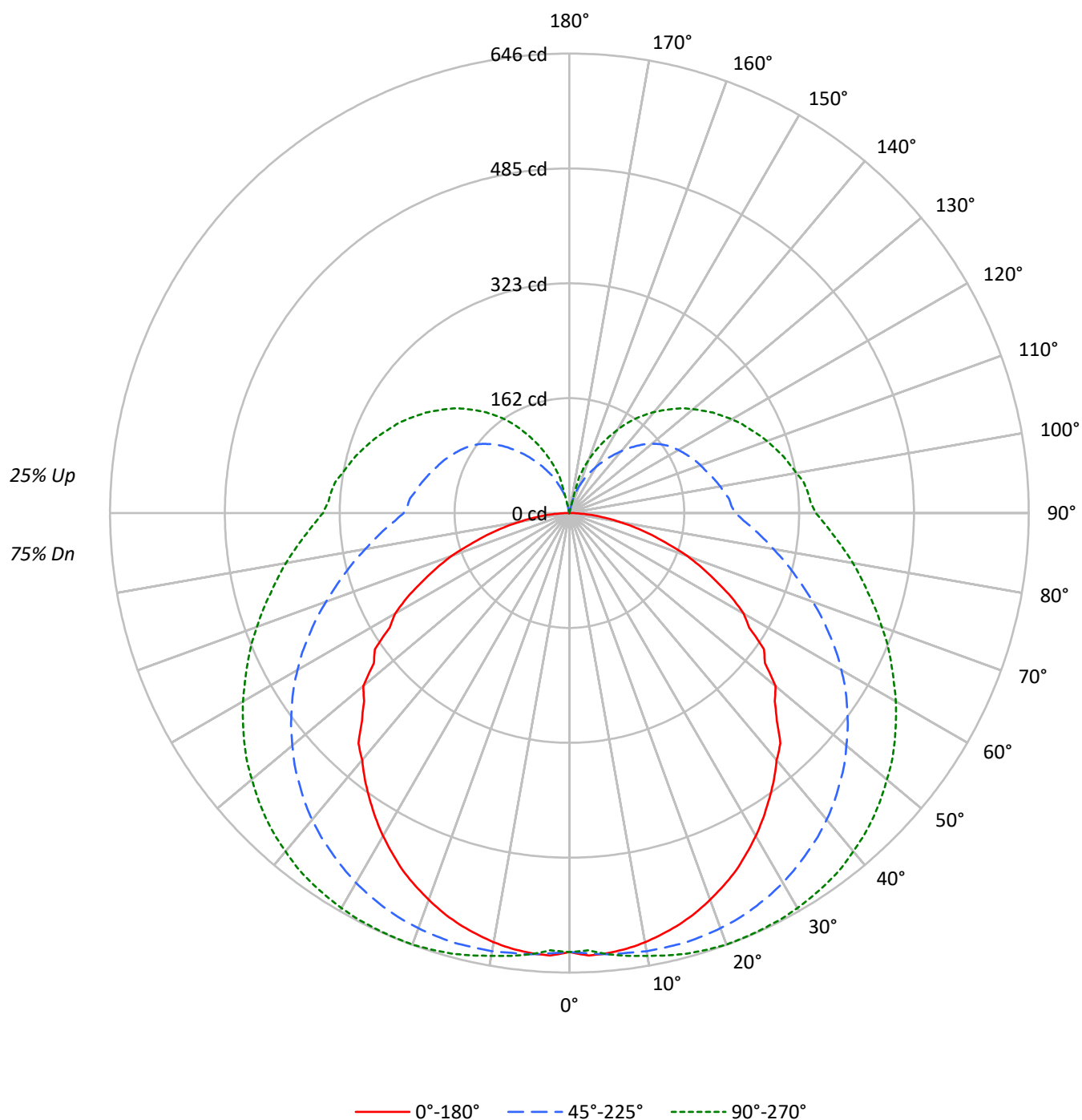
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4987	4987	4987
5°	5025	4927	4891
10°	5001	4884	4864
15°	4966	4858	4874
20°	4920	4835	4884
25°	4873	4818	4891
30°	4806	4803	4917
35°	4730	4786	4951
40°	4660	4783	4983
45°	4571	4772	5023
50°	4585	4761	5062
55°	4503	4761	5122
60°	4339	4764	5192
65°	4098	4770	5289
70°	3834	4806	5438
75°	3364	4917	5657
80°	2842	5153	6022
85°	2111	5633	6555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.7
10°-20°	175.8	4.9
20°-30°	279.4	7.9
30°-40°	358.5	10.1
40°-50°	404.9	11.4
50°-60°	413.1	11.6
60°-70°	382.7	10.8
70°-80°	324.0	9.1
80°-90°	258.6	7.3
90°-100°	219.6	6.2
100°-110°	195.7	5.5
110°-120°	166.7	4.7
120°-130°	132.4	3.7
130°-140°	93.9	2.6
140°-150°	56.1	1.6
150°-160°	26.1	0.7
160°-170°	6.2	0.2
170°-180°	0.0	0.0
0°-30°	514.4	14.5
0°-40°	873.0	24.6
0°-60°	1690.9	47.6
0°-90°	2656.3	74.8
90°-120°	582.0	16.4
90°-150°	864.3	24.3
90°-180°	897.0	25.2
0°-180°	3553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	621	616	623	623	623	59
15°	599	604	625	637	641	169
25°	554	573	613	634	645	255
35°	490	526	583	619	634	307
45°	412	468	538	584	604	320
55°	334	390	477	535	558	293
65°	229	305	403	472	499	227
75°	120	213	326	407	435	128
85°	31	137	260	345	374	34
90°	2	112	233	317	346	3
95°	0	105	226	308	336	0
105°	0	97	206	283	311	0
115°	0	90	187	255	280	0
125°	0	78	166	225	246	0
135°	0	58	134	190	207	0
145°	0	38	94	142	162	0
155°	1	23	58	87	108	0
165°	1	13	26	36	51	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°	617.1	617.1	617.1	617.1	617.1
2.5°	622.7	616.2	619.6	618.7	615.3
5°	621.1	616.2	622.7	622.7	622.7
7.5°	617.8	614.4	623.6	627.0	627.9
10°	612.8	612.8	625.4	630.4	632.0
12.5°	606.0	608.5	625.4	632.9	636.9
15°	598.6	603.6	625.4	636.9	641.2
17.5°	589.4	597.7	623.6	637.8	643.7
20°	578.6	591.2	621.1	637.8	645.5
22.5°	566.8	582.8	617.8	636.2	645.5
25°	554.5	572.7	612.8	634.4	644.6
27.5°	539.4	562.8	607.0	632.0	643.7
30°	524.3	551.1	600.2	628.6	641.2
32.5°	507.6	538.5	591.9	623.6	637.8
35°	490.0	526.1	582.8	618.7	633.8
37.5°	472.4	511.0	573.6	611.9	628.6
40°	453.3	495.9	562.8	603.6	621.1
42.5°	439.1	480.1	551.1	595.2	613.7
45°	412.5	468.4	537.6	584.4	604.5
47.5°	391.6	445.9	524.3	573.6	594.3
50°	378.3	427.4	508.5	561.0	582.8
52.5°	346.5	415.0	493.4	548.6	571.8
55°	333.9	390.0	476.7	535.1	558.5
57.5°	299.6	372.4	460.1	520.2	544.3
60°	283.0	348.1	441.6	505.1	530.1
62.5°	257.1	327.4	423.3	488.4	514.4
65°	228.7	304.8	403.3	472.4	499.3
67.5°	202.1	282.3	384.1	455.8	484.2
70°	176.2	258.9	364.1	439.1	467.5
72.5°	146.0	235.4	344.7	423.3	451.7
75°	120.3	212.9	326.5	406.7	435.0
77.5°	95.1	191.3	308.9	391.6	420.0
80°	71.9	170.3	291.3	375.8	404.9
82.5°	50.0	152.8	275.5	360.7	389.1
85°	30.9	137.0	260.4	344.7	374.0
87.5°	14.2	122.8	245.3	329.8	359.8
90°	1.6	112.0	233.0	317.2	346.5
92.5°	0.9	108.6	228.0	311.4	339.7
95°	0.0	105.2	225.5	308.0	336.4
97.5°	0.0	101.8	219.7	303.0	332.3
100°	0.0	100.3	215.4	295.6	324.0
102.5°	0.0	97.8	210.4	288.8	317.2
105°	0.0	96.9	205.5	283.0	310.7
107.5°	0.0	95.1	200.3	275.5	303.0
110°	0.0	93.5	196.2	268.8	295.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	91.9	192.0	262.2	287.9
115°	0.0	90.1	187.0	254.6	279.6
117.5°	0.0	87.6	182.0	247.2	272.2
120°	0.0	84.3	177.1	240.4	263.8
122.5°	0.0	80.9	171.9	232.1	254.6
125°	0.0	77.7	166.0	224.6	246.2
127.5°	0.0	72.5	159.5	216.3	236.3
130°	0.0	67.6	151.2	207.9	227.1
132.5°	0.9	62.6	142.8	198.7	217.9
135°	0.0	57.7	133.6	189.5	207.0
137.5°	0.0	53.4	123.5	179.6	196.2
140°	0.0	48.4	113.5	167.8	185.4
142.5°	0.0	42.6	103.6	155.2	173.7
145°	0.0	37.6	93.5	141.9	162.0
147.5°	0.9	33.3	84.3	127.7	149.4
150°	0.9	30.0	75.2	113.5	135.2
152.5°	0.9	26.8	66.0	100.3	121.0
155°	0.9	23.4	57.7	86.7	107.7
157.5°	0.9	20.1	48.4	73.4	93.5
160°	0.9	17.6	40.1	61.7	80.2
162.5°	0.9	15.1	32.7	48.4	66.0
165°	0.9	12.6	25.9	35.8	50.9
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)