

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: P#

Luminaire Tested: **4SNLED-LD5-50SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-50SL-SLW-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

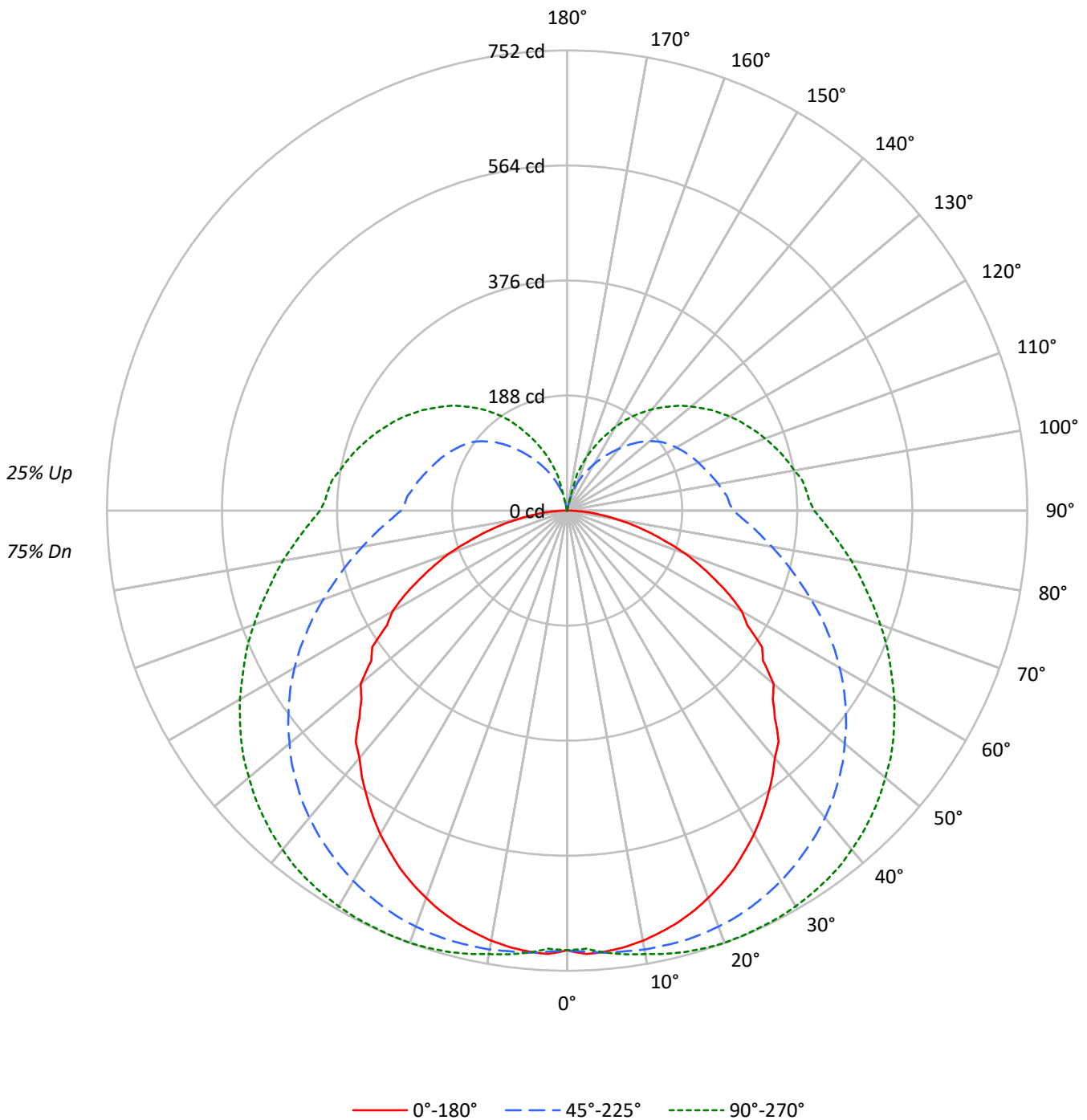
Lumens per Lamp: N/A
Luminaire Lumens: 4138.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 46
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	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	5807	5807	5807
5°	5852	5740	5697
10°	5824	5688	5665
15°	5784	5657	5677
20°	5729	5632	5687
25°	5674	5611	5696
30°	5597	5595	5727
35°	5510	5573	5765
40°	5428	5570	5803
45°	5323	5558	5850
50°	5339	5545	5895
55°	5245	5545	5966
60°	5053	5550	6048
65°	4774	5556	6160
70°	4465	5597	6333
75°	3915	5726	6588
80°	3305	6004	7014
85°	2459	6563	7634



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.7
10°-20°	204.7	4.9
20°-30°	325.3	7.9
30°-40°	417.6	10.1
40°-50°	471.5	11.4
50°-60°	481.1	11.6
60°-70°	445.8	10.8
70°-80°	377.4	9.1
80°-90°	301.2	7.3
90°-100°	255.8	6.2
100°-110°	227.9	5.5
110°-120°	194.1	4.7
120°-130°	154.2	3.7
130°-140°	109.4	2.6
140°-150°	65.3	1.6
150°-160°	30.4	0.7
160°-170°	7.2	0.2
170°-180°	0.0	0.0
0°-30°	599.1	14.5
0°-40°	1016.7	24.6
0°-60°	1969.4	47.6
0°-90°	3093.7	74.8
90°-120°	677.8	16.4
90°-150°	1006.6	24.3
90°-180°	1044.0	25.2
0°-180°	4138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	723	718	725	725	725	69
15°	697	703	728	742	747	197
25°	646	667	714	739	751	297
35°	571	613	679	720	738	357
45°	480	546	626	681	704	373
55°	389	454	555	623	650	341
65°	266	355	470	550	582	264
75°	140	248	380	474	507	149
85°	36	160	303	402	436	39
90°	2	130	271	370	404	3
95°	0	122	262	359	392	0
105°	0	113	239	330	362	0
115°	0	105	218	297	326	0
125°	0	90	194	262	287	0
135°	0	67	156	221	241	0
145°	0	44	109	165	189	0
155°	1	27	67	101	125	0
165°	1	15	30	42	59	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°	718.6	718.6	718.6	718.6	718.6
2.5°	725.4	717.6	721.5	720.5	716.6
5°	723.4	717.6	725.4	725.4	725.4
7.5°	719.5	715.7	726.4	730.2	731.2
10°	713.7	713.7	728.3	734.1	736.1
12.5°	705.9	708.9	728.3	737.1	741.9
15°	697.2	703.0	728.3	741.9	746.8
17.5°	686.5	696.2	726.4	742.9	749.7
20°	673.8	688.4	723.4	742.9	751.6
22.5°	660.2	678.7	719.5	740.9	751.6
25°	645.6	667.0	713.7	739.0	750.7
27.5°	628.1	655.4	706.9	736.1	749.7
30°	610.6	641.8	699.1	732.2	746.8
32.5°	591.2	627.2	689.4	726.4	742.9
35°	570.8	612.6	678.7	720.5	738.0
37.5°	550.4	595.1	668.0	712.7	732.2
40°	528.0	577.6	655.4	703.0	723.4
42.5°	511.5	559.1	641.8	693.3	714.7
45°	480.3	545.5	626.2	680.7	704.0
47.5°	456.0	519.2	610.6	668.0	692.3
50°	440.5	497.8	592.2	653.4	678.7
52.5°	403.5	483.3	574.7	638.8	666.1
55°	388.9	454.1	555.2	623.3	650.5
57.5°	349.1	433.7	535.8	605.8	634.0
60°	329.6	405.5	514.4	588.3	617.5
62.5°	299.5	381.2	493.0	568.8	599.0
65°	266.4	354.9	469.7	550.4	581.5
67.5°	235.3	328.7	447.3	530.9	564.0
70°	205.2	301.4	424.0	511.5	544.5
72.5°	170.2	274.2	401.6	493.0	526.0
75°	140.0	248.0	380.2	473.5	506.6
77.5°	110.8	222.7	359.8	456.0	489.1
80°	83.6	198.4	339.4	437.6	471.6
82.5°	58.3	177.9	320.9	420.1	453.1
85°	36.0	159.5	303.4	401.6	435.6
87.5°	16.5	142.9	285.9	384.1	419.1
90°	1.9	130.3	271.3	369.5	403.5
92.5°	1.0	126.4	265.5	362.7	395.8
95°	0.0	122.5	262.5	358.8	391.9
97.5°	0.0	118.6	255.7	353.0	387.0
100°	0.0	116.7	250.9	344.2	377.3
102.5°	0.0	113.8	245.0	336.4	369.5
105°	0.0	112.8	239.2	329.6	361.7
107.5°	0.0	110.8	233.4	320.9	353.0
110°	0.0	108.9	228.5	313.1	344.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	107.0	223.6	305.3	335.5
115°	0.0	105.0	217.8	296.6	325.7
117.5°	0.0	102.1	212.0	287.8	317.0
120°	0.0	98.2	206.1	280.0	307.3
122.5°	0.0	94.3	200.3	270.3	296.6
125°	0.0	90.4	193.5	261.6	286.8
127.5°	0.0	84.6	185.7	251.8	275.2
130°	0.0	78.8	176.0	242.1	264.5
132.5°	1.0	72.9	166.3	231.4	253.8
135°	0.0	67.1	155.6	220.7	241.1
137.5°	0.0	62.2	143.9	209.1	228.5
140°	0.0	56.4	132.2	195.4	215.9
142.5°	0.0	49.6	120.6	180.9	202.3
145°	0.0	43.8	108.9	165.3	188.6
147.5°	1.0	38.9	98.2	148.8	174.1
150°	1.0	35.0	87.5	132.2	157.5
152.5°	1.0	31.1	76.8	116.7	141.0
155°	1.0	27.2	67.1	101.1	125.4
157.5°	1.0	23.3	56.4	85.6	108.9
160°	1.0	20.4	46.7	72.0	93.3
162.5°	1.0	17.5	37.9	56.4	76.8
165°	1.0	14.6	30.1	41.8	59.3
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)