

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-L935-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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

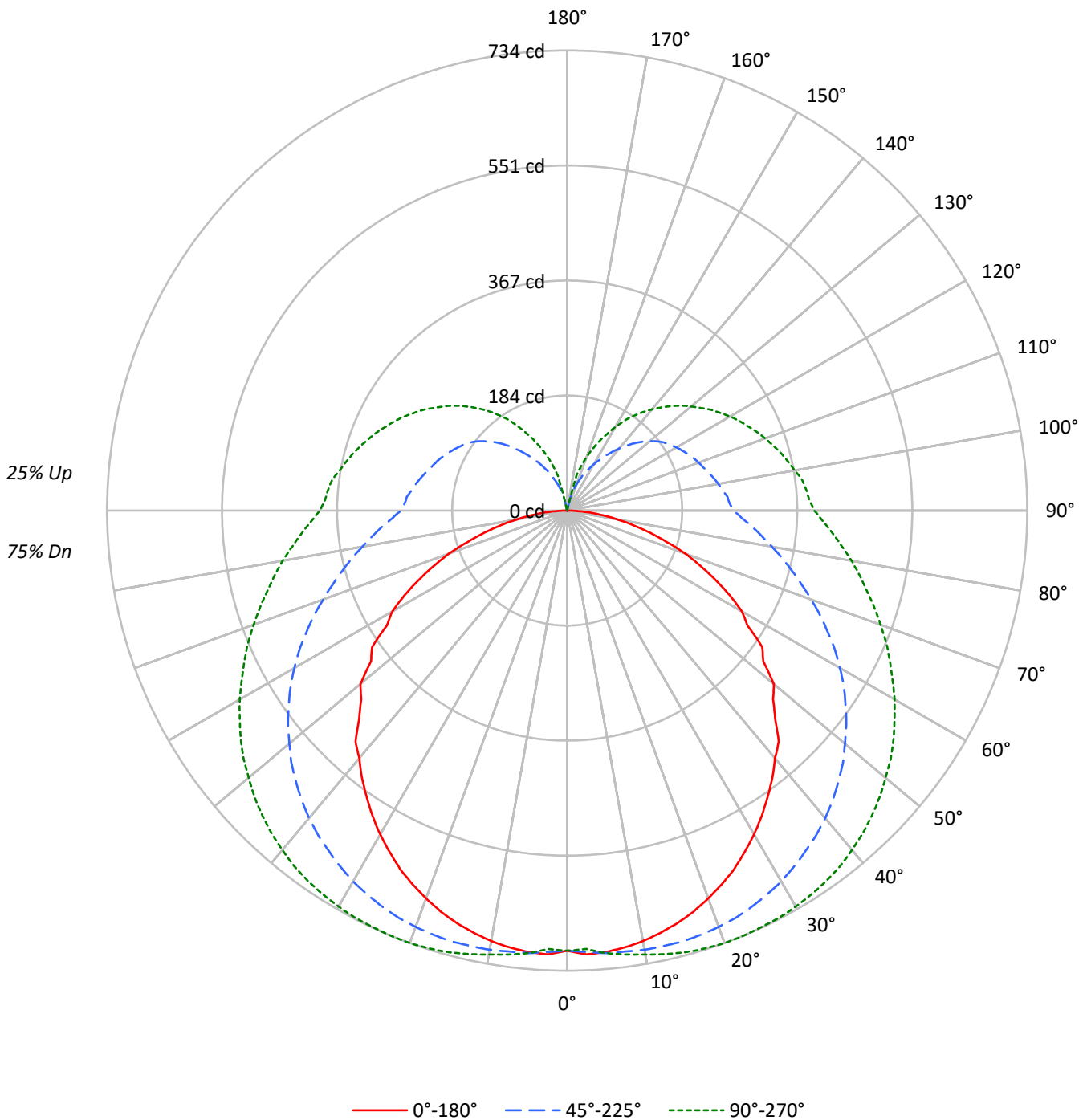
Lumens per Lamp: N/A
Luminaire Lumens: 4042.0 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

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°	5672	5672	5672
5°	5717	5607	5565
10°	5690	5556	5534
15°	5650	5526	5545
20°	5597	5502	5555
25°	5543	5482	5564
30°	5467	5465	5594
35°	5382	5444	5632
40°	5301	5441	5669
45°	5200	5430	5714
50°	5215	5416	5759
55°	5124	5416	5828
60°	4937	5420	5907
65°	4663	5427	6017
70°	4361	5466	6187
75°	3825	5594	6435
80°	3230	5864	6852
85°	2398	6409	7457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	1.7
10°-20°	200.0	4.9
20°-30°	317.8	7.9
30°-40°	407.9	10.1
40°-50°	460.6	11.4
50°-60°	470.0	11.6
60°-70°	435.4	10.8
70°-80°	368.6	9.1
80°-90°	294.2	7.3
90°-100°	249.9	6.2
100°-110°	222.6	5.5
110°-120°	189.6	4.7
120°-130°	150.6	3.7
130°-140°	106.8	2.6
140°-150°	63.8	1.6
150°-160°	29.7	0.7
160°-170°	7.1	0.2
170°-180°	0.0	0.0
0°-30°	585.2	14.5
0°-40°	993.1	24.6
0°-60°	1923.7	47.6
0°-90°	3022.0	74.8
90°-120°	662.1	16.4
90°-150°	983.3	24.3
90°-180°	1020.0	25.2
0°-180°	4042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	707	701	709	709	709	67
15°	681	687	711	725	729	192
25°	631	652	697	722	733	290
35°	558	598	663	704	721	349
45°	469	533	612	665	688	364
55°	380	444	542	609	635	334
65°	260	347	459	538	568	258
75°	137	242	371	463	495	146
85°	35	156	296	392	426	38
90°	2	127	265	361	394	3
95°	0	120	256	350	383	0
105°	0	110	234	322	353	0
115°	0	103	213	290	318	0
125°	0	88	189	256	280	0
135°	0	66	152	216	236	0
145°	0	43	106	162	184	0
155°	1	27	66	99	122	0
165°	1	14	29	41	58	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°	701.9	701.9	701.9	701.9	701.9
2.5°	708.6	701.0	704.8	703.8	700.0
5°	706.7	701.0	708.6	708.6	708.6
7.5°	702.9	699.1	709.5	713.3	714.3
10°	697.2	697.2	711.4	717.1	719.0
12.5°	689.6	692.4	711.4	720.0	724.7
15°	681.0	686.7	711.4	724.7	729.4
17.5°	670.6	680.1	709.5	725.7	732.3
20°	658.2	672.5	706.7	725.7	734.2
22.5°	644.9	663.0	702.9	723.8	734.2
25°	630.7	651.6	697.2	721.9	733.2
27.5°	613.6	640.2	690.5	719.0	732.3
30°	596.5	626.9	682.9	715.2	729.4
32.5°	577.5	612.6	673.4	709.5	725.7
35°	557.5	598.4	663.0	703.8	720.9
37.5°	537.6	581.3	652.5	696.2	715.2
40°	515.7	564.2	640.2	686.7	706.7
42.5°	499.6	546.1	626.9	677.2	698.1
45°	469.2	532.8	611.7	664.9	687.7
47.5°	445.5	507.2	596.5	652.5	676.3
50°	430.3	486.3	578.4	638.3	663.0
52.5°	394.2	472.1	561.3	624.0	650.6
55°	379.9	443.6	542.3	608.8	635.4
57.5°	341.0	423.6	523.3	591.7	619.3
60°	322.0	396.1	502.4	574.6	603.1
62.5°	292.5	372.3	481.6	555.6	585.1
65°	260.2	346.7	458.8	537.6	568.0
67.5°	229.9	321.0	436.9	518.6	550.9
70°	200.4	294.4	414.1	499.6	531.9
72.5°	166.2	267.8	392.3	481.6	513.8
75°	136.8	242.2	371.4	462.6	494.8
77.5°	108.3	217.5	351.4	445.5	477.8
80°	81.7	193.8	331.5	427.4	460.7
82.5°	57.0	173.8	313.4	410.3	442.6
85°	35.1	155.8	296.3	392.3	425.5
87.5°	16.1	139.6	279.2	375.2	409.4
90°	1.9	127.3	265.0	360.9	394.2
92.5°	0.9	123.5	259.3	354.3	386.6
95°	0.0	119.7	256.4	350.5	382.8
97.5°	0.0	115.9	249.8	344.8	378.0
100°	0.0	114.0	245.0	336.2	368.5
102.5°	0.0	111.1	239.4	328.6	360.9
105°	0.0	110.2	233.7	322.0	353.3
107.5°	0.0	108.3	228.0	313.4	344.8
110°	0.0	106.4	223.2	305.8	336.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	104.5	218.5	298.2	327.7
115°	0.0	102.6	212.8	289.7	318.2
117.5°	0.0	99.7	207.1	281.1	309.6
120°	0.0	95.9	201.4	273.5	300.1
122.5°	0.0	92.1	195.7	264.0	289.7
125°	0.0	88.3	189.0	255.5	280.2
127.5°	0.0	82.6	181.4	246.0	268.8
130°	0.0	76.9	171.9	236.5	258.3
132.5°	0.9	71.2	162.4	226.1	247.9
135°	0.0	65.5	152.0	215.6	235.6
137.5°	0.0	60.8	140.6	204.2	223.2
140°	0.0	55.1	129.2	190.9	210.9
142.5°	0.0	48.4	117.8	176.7	197.6
145°	0.0	42.7	106.4	161.5	184.3
147.5°	0.9	38.0	95.9	145.3	170.0
150°	0.9	34.2	85.5	129.2	153.9
152.5°	0.9	30.4	75.0	114.0	137.7
155°	0.9	26.6	65.5	98.8	122.5
157.5°	0.9	22.8	55.1	83.6	106.4
160°	0.9	19.9	45.6	70.3	91.2
162.5°	0.9	17.1	37.0	55.1	75.0
165°	0.9	14.2	29.4	40.8	57.9
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)