

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-LD5-44HL-SLW-UNV-L950-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-LD5-44HL-SLW-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

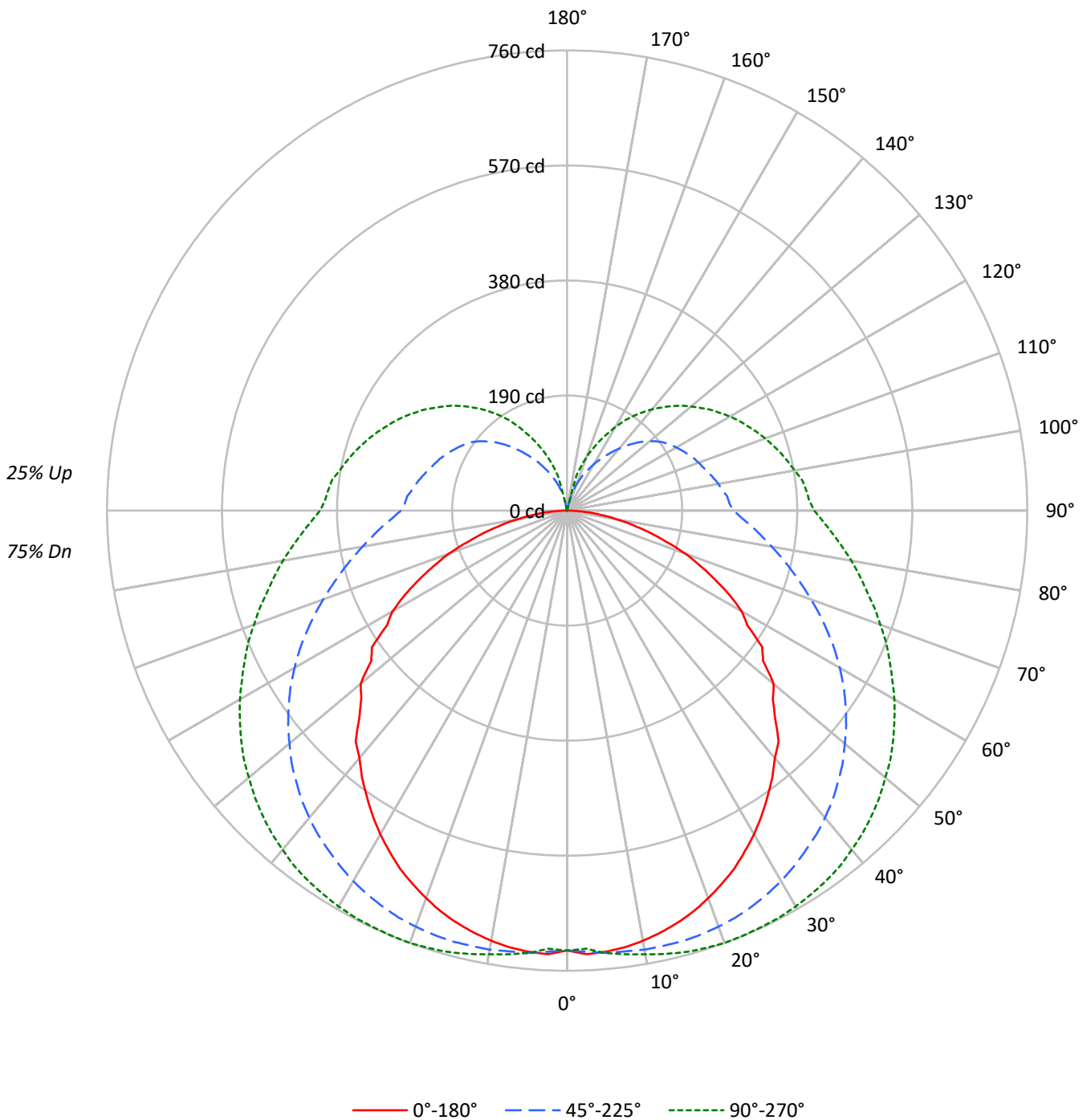
Lumens per Lamp: N/A
Luminaire Lumens: 4183.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 37
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°	5870	5870	5870
5°	5916	5802	5759
10°	5888	5750	5727
15°	5847	5719	5738
20°	5792	5693	5749
25°	5736	5673	5758
30°	5658	5655	5789
35°	5570	5634	5828
40°	5486	5630	5867
45°	5381	5619	5913
50°	5397	5605	5960
55°	5303	5606	6031
60°	5109	5610	6114
65°	4826	5616	6227
70°	4513	5657	6402
75°	3957	5788	6660
80°	3340	6068	7090
85°	2487	6634	7718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.7
10°-20°	206.9	4.9
20°-30°	328.9	7.9
30°-40°	422.1	10.1
40°-50°	476.7	11.4
50°-60°	486.4	11.6
60°-70°	450.6	10.8
70°-80°	381.5	9.1
80°-90°	304.5	7.3
90°-100°	258.6	6.2
100°-110°	230.4	5.5
110°-120°	196.2	4.7
120°-130°	155.9	3.7
130°-140°	110.6	2.6
140°-150°	66.0	1.6
150°-160°	30.8	0.7
160°-170°	7.3	0.2
170°-180°	0.0	0.0
0°-30°	605.6	14.5
0°-40°	1027.8	24.6
0°-60°	1990.8	47.6
0°-90°	3127.4	74.8
90°-120°	685.2	16.4
90°-150°	1017.6	24.3
90°-180°	1056.0	25.2
0°-180°	4183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	731	725	733	733	733	69
15°	705	711	736	750	755	199
25°	653	674	722	747	759	300
35°	577	619	686	728	746	361
45°	486	551	633	688	712	377
55°	393	459	561	630	658	345
65°	269	359	475	556	588	267
75°	142	251	384	479	512	151
85°	36	161	307	406	440	40
90°	2	132	274	374	408	3
95°	0	124	265	363	396	0
105°	0	114	242	333	366	0
115°	0	106	220	300	329	0
125°	0	91	196	264	290	0
135°	0	68	157	223	244	0
145°	0	44	110	167	191	0
155°	1	28	68	102	127	0
165°	1	15	30	42	60	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°	726.4	726.4	726.4	726.4	726.4
2.5°	733.3	725.4	729.3	728.4	724.4
5°	731.3	725.4	733.3	733.3	733.3
7.5°	727.4	723.4	734.3	738.2	739.2
10°	721.5	721.5	736.2	742.1	744.1
12.5°	713.6	716.6	736.2	745.1	750.0
15°	704.8	710.7	736.2	750.0	754.9
17.5°	694.0	703.8	734.3	751.0	757.8
20°	681.2	695.9	731.3	751.0	759.8
22.5°	667.4	686.1	727.4	749.0	759.8
25°	652.7	674.3	721.5	747.0	758.8
27.5°	635.0	662.5	714.6	744.1	757.8
30°	617.3	648.7	706.7	740.2	754.9
32.5°	597.6	634.0	696.9	734.3	751.0
35°	577.0	619.3	686.1	728.4	746.0
37.5°	556.3	601.6	675.3	720.5	740.2
40°	533.7	583.9	662.5	710.7	731.3
42.5°	517.0	565.2	648.7	700.8	722.5
45°	485.6	551.4	633.0	688.1	711.6
47.5°	461.0	524.9	617.3	675.3	699.9
50°	445.3	503.3	598.6	660.5	686.1
52.5°	407.9	488.5	580.9	645.8	673.3
55°	393.2	459.0	561.3	630.1	657.6
57.5°	352.9	438.4	541.6	612.4	640.9
60°	333.2	409.9	520.0	594.7	624.2
62.5°	302.7	385.3	498.3	575.0	605.5
65°	269.3	358.8	474.8	556.3	587.8
67.5°	237.9	332.2	452.2	536.7	570.1
70°	207.4	304.7	428.6	517.0	550.4
72.5°	172.0	277.2	406.0	498.3	531.8
75°	141.5	250.6	384.3	478.7	512.1
77.5°	112.1	225.1	363.7	461.0	494.4
80°	84.5	200.5	343.0	442.3	476.7
82.5°	59.0	179.9	324.4	424.6	458.0
85°	36.4	161.2	306.7	406.0	440.4
87.5°	16.7	144.5	289.0	388.3	423.6
90°	2.0	131.7	274.2	373.5	407.9
92.5°	1.0	127.8	268.3	366.6	400.1
95°	0.0	123.9	265.4	362.7	396.1
97.5°	0.0	119.9	258.5	356.8	391.2
100°	0.0	118.0	253.6	348.0	381.4
102.5°	0.0	115.0	247.7	340.1	373.5
105°	0.0	114.0	241.8	333.2	365.7
107.5°	0.0	112.1	235.9	324.4	356.8
110°	0.0	110.1	231.0	316.5	348.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	108.1	226.1	308.6	339.1
115°	0.0	106.2	220.2	299.8	329.3
117.5°	0.0	103.2	214.3	290.9	320.4
120°	0.0	99.3	208.4	283.1	310.6
122.5°	0.0	95.3	202.5	273.3	299.8
125°	0.0	91.4	195.6	264.4	290.0
127.5°	0.0	85.5	187.7	254.6	278.2
130°	0.0	79.6	177.9	244.8	267.4
132.5°	1.0	73.7	168.1	233.9	256.5
135°	0.0	67.8	157.3	223.1	243.8
137.5°	0.0	62.9	145.5	211.3	231.0
140°	0.0	57.0	133.7	197.6	218.2
142.5°	0.0	50.1	121.9	182.8	204.5
145°	0.0	44.2	110.1	167.1	190.7
147.5°	1.0	39.3	99.3	150.4	175.9
150°	1.0	35.4	88.5	133.7	159.2
152.5°	1.0	31.5	77.7	118.0	142.5
155°	1.0	27.5	67.8	102.2	126.8
157.5°	1.0	23.6	57.0	86.5	110.1
160°	1.0	20.6	47.2	72.7	94.4
162.5°	1.0	17.7	38.3	57.0	77.7
165°	1.0	14.7	30.5	42.3	60.0
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)