

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-LD5-55HL-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-LD5-55HL-SLW-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

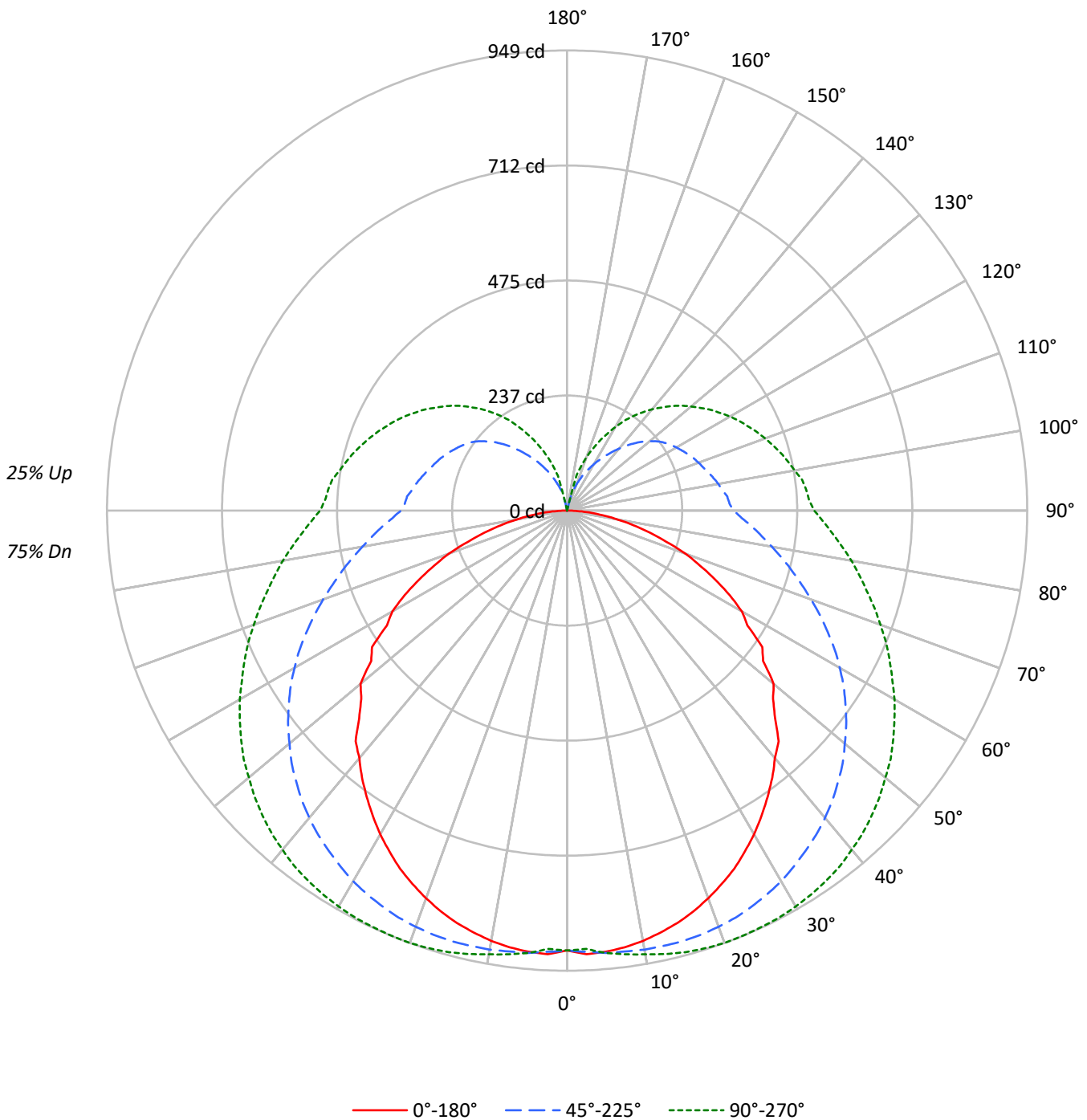
Lumens per Lamp: N/A
Luminaire Lumens: 5224.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 48
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°	7331	7331	7331
5°	7388	7247	7193
10°	7353	7180	7152
15°	7303	7142	7167
20°	7233	7110	7179
25°	7163	7084	7191
30°	7066	7063	7230
35°	6957	7036	7278
40°	6852	7032	7327
45°	6720	7017	7384
50°	6740	7000	7442
55°	6622	7000	7532
60°	6380	7006	7635
65°	6028	7013	7777
70°	5636	7065	7995
75°	4944	7229	8318
80°	4174	7578	8856
85°	3102	8285	9637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	1.7
10°-20°	258.4	4.9
20°-30°	410.7	7.9
30°-40°	527.2	10.1
40°-50°	595.3	11.4
50°-60°	607.4	11.6
60°-70°	562.7	10.8
70°-80°	476.4	9.1
80°-90°	380.3	7.3
90°-100°	322.9	6.2
100°-110°	287.7	5.5
110°-120°	245.1	4.7
120°-130°	194.6	3.7
130°-140°	138.1	2.6
140°-150°	82.4	1.6
150°-160°	38.4	0.7
160°-170°	9.1	0.2
170°-180°	0.0	0.0
0°-30°	756.4	14.5
0°-40°	1283.5	24.6
0°-60°	2486.2	47.6
0°-90°	3905.7	74.8
90°-120°	855.7	16.4
90°-150°	1270.8	24.3
90°-180°	1318.0	25.2
0°-180°	5224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	913	906	916	916	916	87
15°	880	888	919	937	943	248
25°	815	842	901	933	948	375
35°	721	773	857	910	932	451
45°	606	689	790	859	889	471
55°	491	573	701	787	821	431
65°	336	448	593	695	734	334
75°	177	313	480	598	640	188
85°	45	201	383	507	550	50
90°	2	164	342	466	509	4
95°	0	155	331	453	495	0
105°	0	142	302	416	457	0
115°	0	133	275	374	411	0
125°	0	114	244	330	362	0
135°	0	85	196	279	304	0
145°	0	55	138	209	238	0
155°	1	34	85	128	158	1
165°	1	18	38	53	75	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°	907.2	907.2	907.2	907.2	907.2
2.5°	915.8	905.9	910.8	909.6	904.7
5°	913.3	905.9	915.8	915.8	915.8
7.5°	908.4	903.5	917.0	921.9	923.1
10°	901.0	901.0	919.4	926.8	929.3
12.5°	891.2	894.9	919.4	930.5	936.6
15°	880.2	887.5	919.4	936.6	942.8
17.5°	866.7	878.9	917.0	937.9	946.4
20°	850.7	869.1	913.3	937.9	948.9
22.5°	833.5	856.8	908.4	935.4	948.9
25°	815.1	842.1	901.0	932.9	947.7
27.5°	793.0	827.4	892.4	929.3	946.4
30°	770.9	810.2	882.6	924.3	942.8
32.5°	746.4	791.8	870.3	917.0	937.9
35°	720.6	773.4	856.8	909.6	931.7
37.5°	694.8	751.3	843.3	899.8	924.3
40°	666.6	729.2	827.4	887.5	913.3
42.5°	645.7	705.8	810.2	875.2	902.3
45°	606.4	688.7	790.5	859.3	888.7
47.5°	575.7	655.5	770.9	843.3	874.0
50°	556.1	628.5	747.6	824.9	856.8
52.5°	509.4	610.1	725.5	806.5	840.9
55°	491.0	573.3	700.9	786.9	821.2
57.5°	440.7	547.5	676.4	764.8	800.4
60°	416.1	511.9	649.4	742.7	779.5
62.5°	378.1	481.2	622.4	718.1	756.2
65°	336.4	448.1	592.9	694.8	734.1
67.5°	297.1	414.9	564.7	670.2	712.0
70°	259.0	380.5	535.2	645.7	687.4
72.5°	214.8	346.2	507.0	622.4	664.1
75°	176.8	313.0	480.0	597.8	639.6
77.5°	139.9	281.1	454.2	575.7	617.5
80°	105.6	250.4	428.4	552.4	595.4
82.5°	73.7	224.6	405.1	530.3	572.0
85°	45.4	201.3	383.0	507.0	549.9
87.5°	20.9	180.5	360.9	484.9	529.1
90°	2.5	164.5	342.5	466.5	509.4
92.5°	1.2	159.6	335.1	457.9	499.6
95°	0.0	154.7	331.4	453.0	494.7
97.5°	0.0	149.8	322.8	445.6	488.6
100°	0.0	147.3	316.7	434.6	476.3
102.5°	0.0	143.6	309.3	424.7	466.5
105°	0.0	142.4	302.0	416.1	456.7
107.5°	0.0	139.9	294.6	405.1	445.6
110°	0.0	137.5	288.5	395.3	434.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	135.0	282.3	385.5	423.5
115°	0.0	132.6	275.0	374.4	411.2
117.5°	0.0	128.9	267.6	363.4	400.2
120°	0.0	124.0	260.2	353.5	387.9
122.5°	0.0	119.1	252.9	341.3	374.4
125°	0.0	114.2	244.3	330.2	362.1
127.5°	0.0	106.8	234.5	317.9	347.4
130°	0.0	99.4	222.2	305.7	333.9
132.5°	1.2	92.1	209.9	292.2	320.4
135°	0.0	84.7	196.4	278.7	304.4
137.5°	0.0	78.6	181.7	263.9	288.5
140°	0.0	71.2	166.9	246.7	272.5
142.5°	0.0	62.6	152.2	228.3	255.3
145°	0.0	55.2	137.5	208.7	238.1
147.5°	1.2	49.1	124.0	187.8	219.7
150°	1.2	44.2	110.5	166.9	198.9
152.5°	1.2	39.3	97.0	147.3	178.0
155°	1.2	34.4	84.7	127.7	158.4
157.5°	1.2	29.5	71.2	108.0	137.5
160°	1.2	25.8	58.9	90.8	117.8
162.5°	1.2	22.1	47.9	71.2	97.0
165°	1.2	18.4	38.1	52.8	74.9
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)