

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-L930-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-L930-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

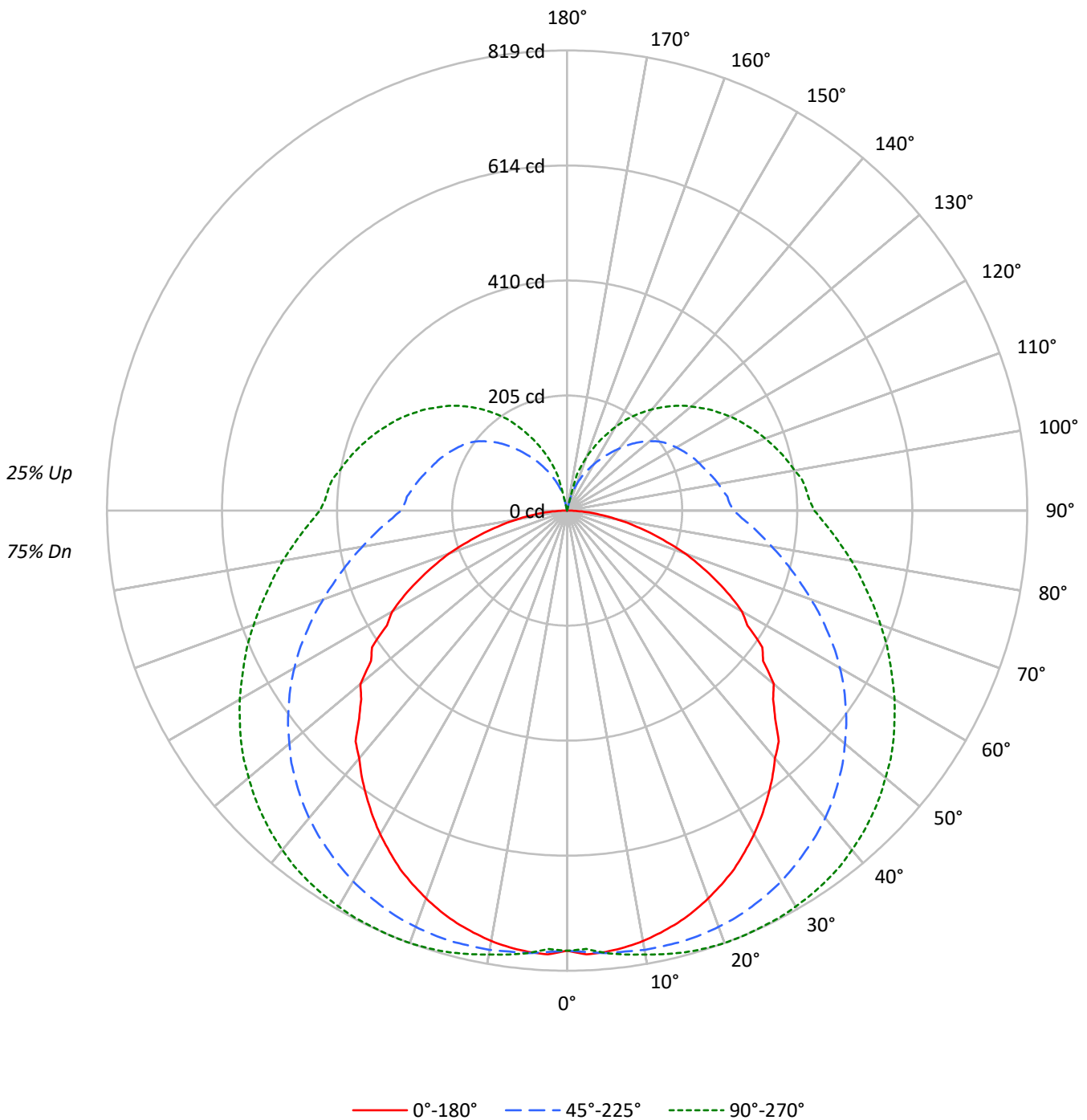
Lumens per Lamp: N/A  
Luminaire Lumens: 4510.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 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°	6329	6329	6329
5°	6379	6256	6209
10°	6348	6199	6175
15°	6305	6166	6187
20°	6245	6138	6198
25°	6184	6116	6208
30°	6100	6098	6242
35°	6006	6074	6284
40°	5916	6071	6326
45°	5801	6058	6376
50°	5819	6043	6425
55°	5717	6043	6503
60°	5509	6048	6591
65°	5204	6055	6713
70°	4865	6100	6903
75°	4267	6241	7180
80°	3601	6544	7645
85°	2678	7153	8321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.3	1.7
10°-20°	223.1	4.9
20°-30°	354.6	7.9
30°-40°	455.1	10.1
40°-50°	513.9	11.4
50°-60°	524.4	11.6
60°-70°	485.8	10.8
70°-80°	411.3	9.1
80°-90°	328.3	7.3
90°-100°	278.8	6.2
100°-110°	248.4	5.5
110°-120°	211.6	4.7
120°-130°	168.0	3.7
130°-140°	119.2	2.6
140°-150°	71.2	1.6
150°-160°	33.2	0.7
160°-170°	7.9	0.2
170°-180°	0.0	0.0
0°-30°	653.0	14.5
0°-40°	1108.1	24.6
0°-60°	2146.4	47.6
0°-90°	3371.8	74.8
90°-120°	738.7	16.4
90°-150°	1097.1	24.3
90°-180°	1138.0	25.2
0°-180°	4510.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	783	783	783	783	783	
5°	788	782	791	791	791	75
15°	760	766	794	809	814	214
25°	704	727	778	805	818	324
35°	622	668	740	785	804	389
45°	524	594	682	742	767	407
55°	424	495	605	679	709	372
65°	290	387	512	600	634	288
75°	153	270	414	516	552	162
85°	39	174	331	438	475	43
90°	2	142	296	403	440	3
95°	0	134	286	391	427	0
105°	0	123	261	359	394	0
115°	0	114	237	323	355	0
125°	0	99	211	285	313	0
135°	0	73	170	241	263	0
145°	0	48	119	180	206	0
155°	1	30	73	110	137	1
165°	1	16	33	46	65	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°	783.2	783.2	783.2	783.2	783.2
2.5°	790.6	782.1	786.4	785.3	781.1
5°	788.5	782.1	790.6	790.6	790.6
7.5°	784.2	780.0	791.7	795.9	797.0
10°	777.9	777.9	793.8	800.1	802.3
12.5°	769.4	772.6	793.8	803.3	808.6
15°	759.9	766.2	793.8	808.6	813.9
17.5°	748.2	758.8	791.7	809.7	817.1
20°	734.4	750.3	788.5	809.7	819.2
22.5°	719.6	739.7	784.2	807.5	819.2
25°	703.7	727.0	777.9	805.4	818.1
27.5°	684.6	714.3	770.5	802.3	817.1
30°	665.5	699.5	762.0	798.0	813.9
32.5°	644.3	683.6	751.4	791.7	809.7
35°	622.1	667.7	739.7	785.3	804.4
37.5°	599.8	648.6	728.1	776.8	798.0
40°	575.5	629.5	714.3	766.2	788.5
42.5°	557.4	609.4	699.5	755.6	778.9
45°	523.5	594.5	682.5	741.8	767.3
47.5°	497.0	565.9	665.5	728.1	754.6
50°	480.1	542.6	645.4	712.2	739.7
52.5°	439.8	526.7	626.3	696.3	725.9
55°	423.9	494.9	605.1	679.3	709.0
57.5°	380.5	472.7	583.9	660.2	691.0
60°	359.3	441.9	560.6	641.2	673.0
62.5°	326.4	415.4	537.3	620.0	652.8
65°	290.4	386.8	511.9	599.8	633.7
67.5°	256.5	358.2	487.5	578.6	614.7
70°	223.6	328.5	462.1	557.4	593.5
72.5°	185.5	298.9	437.7	537.3	573.3
75°	152.6	270.2	414.4	516.1	552.1
77.5°	120.8	242.7	392.1	497.0	533.1
80°	91.1	216.2	369.9	476.9	514.0
82.5°	63.6	193.9	349.7	457.8	493.9
85°	39.2	173.8	330.7	437.7	474.8
87.5°	18.0	155.8	311.6	418.6	456.8
90°	2.1	142.0	295.7	402.7	439.8
92.5°	1.1	137.8	289.3	395.3	431.3
95°	0.0	133.5	286.1	391.1	427.1
97.5°	0.0	129.3	278.7	384.7	421.8
100°	0.0	127.2	273.4	375.2	411.2
102.5°	0.0	124.0	267.1	366.7	402.7
105°	0.0	122.9	260.7	359.3	394.2
107.5°	0.0	120.8	254.3	349.7	384.7
110°	0.0	118.7	249.0	341.2	375.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	116.6	243.7	332.8	365.6
115°	0.0	114.5	237.4	323.2	355.0
117.5°	0.0	111.3	231.0	313.7	345.5
120°	0.0	107.0	224.7	305.2	334.9
122.5°	0.0	102.8	218.3	294.6	323.2
125°	0.0	98.6	210.9	285.1	312.6
127.5°	0.0	92.2	202.4	274.5	299.9
130°	0.0	85.8	191.8	263.9	288.3
132.5°	1.1	79.5	181.2	252.2	276.6
135°	0.0	73.1	169.6	240.6	262.8
137.5°	0.0	67.8	156.8	227.9	249.0
140°	0.0	61.5	144.1	213.0	235.3
142.5°	0.0	54.0	131.4	197.1	220.4
145°	0.0	47.7	118.7	180.2	205.6
147.5°	1.1	42.4	107.0	162.1	189.7
150°	1.1	38.2	95.4	144.1	171.7
152.5°	1.1	33.9	83.7	127.2	153.7
155°	1.1	29.7	73.1	110.2	136.7
157.5°	1.1	25.4	61.5	93.3	118.7
160°	1.1	22.3	50.9	78.4	101.7
162.5°	1.1	19.1	41.3	61.5	83.7
165°	1.1	15.9	32.9	45.6	64.6
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)