

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: **8SNLED-LD5-54SL-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: 8SNLED-LD5-54SL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

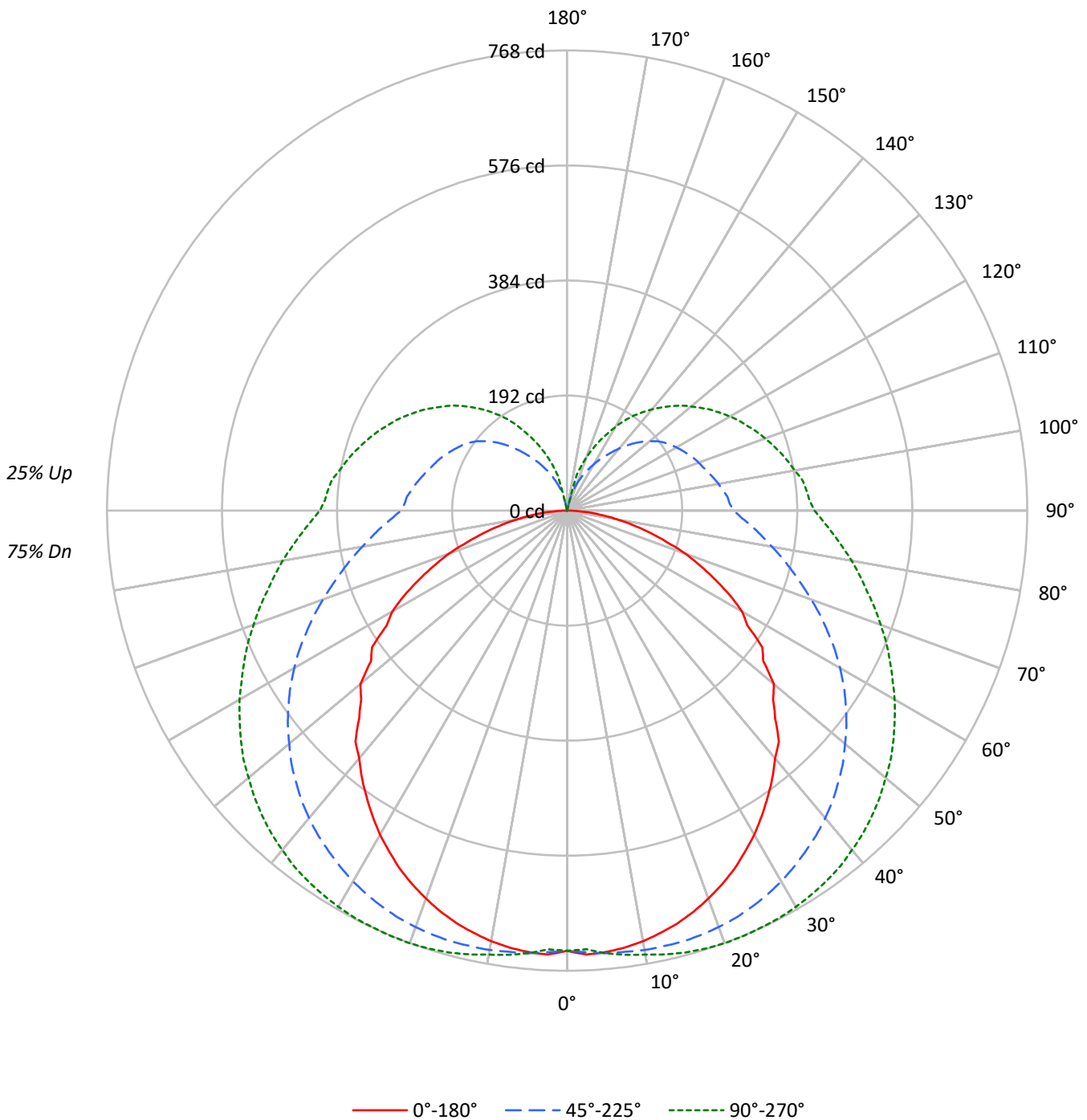
Lumens per Lamp: N/A
Luminaire Lumens: 4231.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 42
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°	2969	2969	2969
5°	2996	2937	2913
10°	2986	2913	2896
15°	2970	2900	2902
20°	2946	2890	2907
25°	2922	2882	2912
30°	2887	2876	2928
35°	2847	2868	2947
40°	2811	2869	2967
45°	2763	2866	2990
50°	2779	2863	3014
55°	2740	2867	3050
60°	2652	2874	3092
65°	2520	2882	3149
70°	2376	2910	3238
75°	2112	2987	3368
80°	1828	3144	3586
85°	1448	3457	3903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	1.7
10°-20°	209.3	4.9
20°-30°	332.7	7.9
30°-40°	427.0	10.1
40°-50°	482.1	11.4
50°-60°	491.9	11.6
60°-70°	455.7	10.8
70°-80°	385.9	9.1
80°-90°	308.0	7.3
90°-100°	261.5	6.2
100°-110°	233.0	5.5
110°-120°	198.5	4.7
120°-130°	157.6	3.7
130°-140°	111.8	2.6
140°-150°	66.8	1.6
150°-160°	31.1	0.7
160°-170°	7.4	0.2
170°-180°	0.0	0.0
0°-30°	612.6	14.5
0°-40°	1039.6	24.6
0°-60°	2013.6	47.6
0°-90°	3163.2	74.8
90°-120°	693.0	16.4
90°-150°	1029.2	24.3
90°-180°	1068.0	25.2
0°-180°	4231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	740	734	742	742	742	70
15°	713	719	745	759	764	201
25°	660	682	730	756	768	304
35°	584	626	694	737	755	365
45°	491	558	640	696	720	381
55°	398	464	568	637	665	349
65°	272	363	480	563	594	270
75°	143	254	389	484	518	152
85°	37	163	310	411	445	40
90°	2	133	277	378	413	3
95°	0	125	268	367	401	0
105°	0	115	245	337	370	0
115°	0	107	223	303	333	0
125°	0	92	198	267	293	0
135°	0	69	159	226	247	0
145°	0	45	111	169	193	0
155°	1	28	69	103	128	0
165°	1	15	31	43	61	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°	734.7	734.7	734.7	734.7	734.7
2.5°	741.7	733.7	737.7	736.7	732.7
5°	739.7	733.7	741.7	741.7	741.7
7.5°	735.7	731.7	742.7	746.7	747.7
10°	729.8	729.8	744.7	750.6	752.6
12.5°	721.8	724.8	744.7	753.6	758.6
15°	712.9	718.8	744.7	758.6	763.6
17.5°	701.9	711.9	742.7	759.6	766.5
20°	689.0	703.9	739.7	759.6	768.5
22.5°	675.1	694.0	735.7	757.6	768.5
25°	660.2	682.0	729.8	755.6	767.5
27.5°	642.3	670.1	722.8	752.6	766.5
30°	624.4	656.2	714.8	748.6	763.6
32.5°	604.5	641.3	704.9	742.7	759.6
35°	583.6	626.4	694.0	736.7	754.6
37.5°	562.7	608.5	683.0	728.8	748.6
40°	539.9	590.6	670.1	718.8	739.7
42.5°	523.0	571.7	656.2	708.9	730.7
45°	491.1	557.8	640.3	696.0	719.8
47.5°	466.3	530.9	624.4	683.0	707.9
50°	450.4	509.0	605.5	668.1	694.0
52.5°	412.6	494.1	587.6	653.2	681.0
55°	397.7	464.3	567.7	637.3	665.1
57.5°	356.9	443.4	547.8	619.4	648.2
60°	337.0	414.6	525.9	601.5	631.3
62.5°	306.2	389.7	504.1	581.6	612.4
65°	272.4	362.9	480.2	562.7	594.5
67.5°	240.6	336.0	457.3	542.8	576.6
70°	209.8	308.2	433.5	523.0	556.8
72.5°	174.0	280.4	410.6	504.1	537.9
75°	143.2	253.5	388.7	484.2	518.0
77.5°	113.3	227.7	367.9	466.3	500.1
80°	85.5	202.8	347.0	447.4	482.2
82.5°	59.7	181.9	328.1	429.5	463.3
85°	36.8	163.1	310.2	410.6	445.4
87.5°	16.9	146.1	292.3	392.7	428.5
90°	2.0	133.2	277.4	377.8	412.6
92.5°	1.0	129.2	271.4	370.8	404.6
95°	0.0	125.3	268.4	366.9	400.7
97.5°	0.0	121.3	261.5	360.9	395.7
100°	0.0	119.3	256.5	352.0	385.8
102.5°	0.0	116.3	250.5	344.0	377.8
105°	0.0	115.3	244.6	337.0	369.8
107.5°	0.0	113.3	238.6	328.1	360.9
110°	0.0	111.4	233.6	320.1	352.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	109.4	228.7	312.2	343.0
115°	0.0	107.4	222.7	303.2	333.1
117.5°	0.0	104.4	216.7	294.3	324.1
120°	0.0	100.4	210.8	286.3	314.2
122.5°	0.0	96.4	204.8	276.4	303.2
125°	0.0	92.5	197.8	267.4	293.3
127.5°	0.0	86.5	189.9	257.5	281.4
130°	0.0	80.5	180.0	247.6	270.4
132.5°	1.0	74.6	170.0	236.6	259.5
135°	0.0	68.6	159.1	225.7	246.6
137.5°	0.0	63.6	147.1	213.8	233.6
140°	0.0	57.7	135.2	199.8	220.7
142.5°	0.0	50.7	123.3	184.9	206.8
145°	0.0	44.7	111.4	169.0	192.9
147.5°	1.0	39.8	100.4	152.1	178.0
150°	1.0	35.8	89.5	135.2	161.1
152.5°	1.0	31.8	78.5	119.3	144.2
155°	1.0	27.8	68.6	103.4	128.3
157.5°	1.0	23.9	57.7	87.5	111.4
160°	1.0	20.9	47.7	73.6	95.4
162.5°	1.0	17.9	38.8	57.7	78.5
165°	1.0	14.9	30.8	42.8	60.6
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)