

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

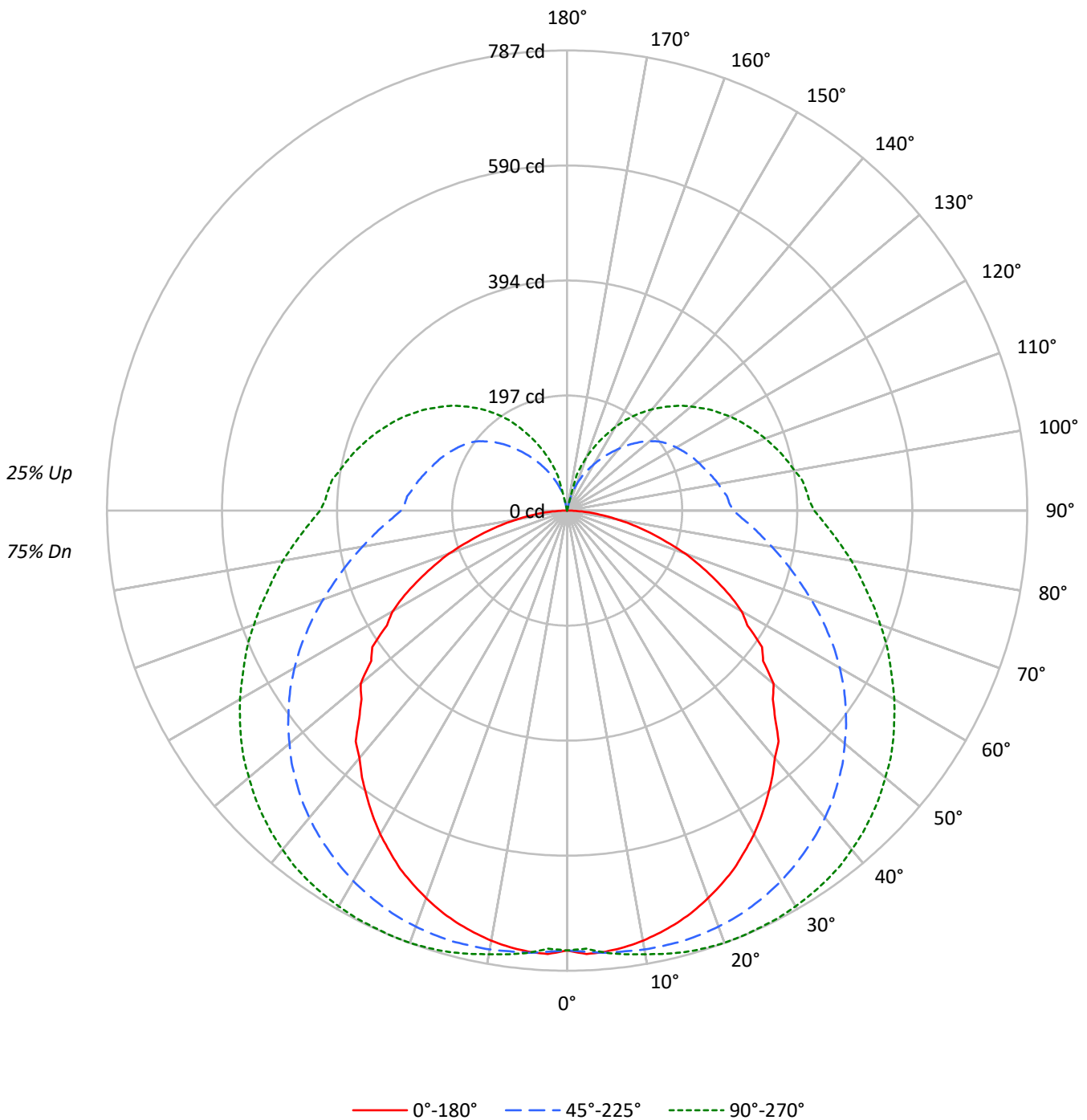
Lumens per Lamp: N/A
Luminaire Lumens: 4331.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	3039	3039	3039
5°	3067	3007	2981
10°	3056	2982	2965
15°	3040	2969	2971
20°	3016	2958	2976
25°	2991	2950	2981
30°	2955	2944	2997
35°	2915	2936	3017
40°	2877	2937	3037
45°	2829	2934	3061
50°	2845	2930	3085
55°	2805	2935	3123
60°	2714	2942	3164
65°	2580	2951	3224
70°	2432	2979	3314
75°	2163	3057	3447
80°	1870	3218	3671
85°	1483	3538	3995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.7
10°-20°	214.3	4.9
20°-30°	340.5	7.9
30°-40°	437.0	10.1
40°-50°	493.5	11.4
50°-60°	503.6	11.6
60°-70°	466.5	10.8
70°-80°	395.0	9.1
80°-90°	315.3	7.3
90°-100°	267.7	6.2
100°-110°	238.5	5.5
110°-120°	203.2	4.7
120°-130°	161.4	3.7
130°-140°	114.5	2.6
140°-150°	68.3	1.6
150°-160°	31.9	0.7
160°-170°	7.6	0.2
170°-180°	0.0	0.0
0°-30°	627.1	14.5
0°-40°	1064.1	24.6
0°-60°	2061.2	47.6
0°-90°	3238.0	74.8
90°-120°	709.4	16.4
90°-150°	1053.6	24.3
90°-180°	1093.0	25.2
0°-180°	4331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	757	751	759	759	759	72
15°	730	736	762	776	782	206
25°	676	698	747	774	786	311
35°	597	641	710	754	772	374
45°	503	571	655	712	737	390
55°	407	475	581	652	681	357
65°	279	372	492	576	609	277
75°	147	260	398	496	530	156
85°	38	167	318	420	456	41
90°	2	136	284	387	422	3
95°	0	128	275	376	410	0
105°	0	118	250	345	379	0
115°	0	110	228	310	341	0
125°	0	95	202	274	300	0
135°	0	70	163	231	252	0
145°	0	46	114	173	197	0
155°	1	28	70	106	131	0
165°	1	15	32	44	62	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°	752.1	752.1	752.1	752.1	752.1
2.5°	759.2	751.1	755.1	754.1	750.1
5°	757.2	751.1	759.2	759.2	759.2
7.5°	753.1	749.0	760.2	764.3	765.3
10°	747.0	747.0	762.3	768.4	770.4
12.5°	738.9	741.9	762.3	771.4	776.5
15°	729.7	735.8	762.3	776.5	781.6
17.5°	718.5	728.7	760.2	777.5	784.7
20°	705.3	720.5	757.2	777.5	786.7
22.5°	691.0	710.4	753.1	775.5	786.7
25°	675.8	698.2	747.0	773.5	785.7
27.5°	657.4	685.9	739.9	770.4	784.7
30°	639.1	671.7	731.7	766.3	781.6
32.5°	618.8	656.4	721.6	760.2	777.5
35°	597.4	641.2	710.4	754.1	772.4
37.5°	576.0	622.8	699.2	746.0	766.3
40°	552.6	604.5	685.9	735.8	757.2
42.5°	535.3	585.2	671.7	725.6	748.0
45°	502.8	570.9	655.4	712.4	736.8
47.5°	477.3	543.5	639.1	699.2	724.6
50°	461.0	521.1	619.8	683.9	710.4
52.5°	422.4	505.8	601.5	668.6	697.1
55°	407.1	475.3	581.1	652.4	680.9
57.5°	365.4	453.9	560.8	634.0	663.5
60°	345.0	424.4	538.4	615.7	646.2
62.5°	313.5	398.9	516.0	595.4	626.9
65°	278.9	371.5	491.6	576.0	608.6
67.5°	246.3	344.0	468.1	555.7	590.3
70°	214.7	315.5	443.7	535.3	569.9
72.5°	178.1	287.0	420.3	516.0	550.6
75°	146.6	259.5	397.9	495.6	530.2
77.5°	116.0	233.1	376.6	477.3	511.9
80°	87.5	207.6	355.2	458.0	493.6
82.5°	61.1	186.2	335.8	439.7	474.3
85°	37.7	166.9	317.5	420.3	455.9
87.5°	17.3	149.6	299.2	402.0	438.6
90°	2.0	136.4	283.9	386.7	422.4
92.5°	1.0	132.3	277.8	379.6	414.2
95°	0.0	128.2	274.8	375.5	410.1
97.5°	0.0	124.2	267.7	369.4	405.1
100°	0.0	122.1	262.6	360.3	394.9
102.5°	0.0	119.1	256.5	352.1	386.7
105°	0.0	118.1	250.4	345.0	378.6
107.5°	0.0	116.0	244.3	335.8	369.4
110°	0.0	114.0	239.2	327.7	360.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	111.9	234.1	319.6	351.1
115°	0.0	109.9	228.0	310.4	340.9
117.5°	0.0	106.9	221.9	301.2	331.8
120°	0.0	102.8	215.8	293.1	321.6
122.5°	0.0	98.7	209.6	282.9	310.4
125°	0.0	94.6	202.5	273.8	300.2
127.5°	0.0	88.5	194.4	263.6	288.0
130°	0.0	82.4	184.2	253.4	276.8
132.5°	1.0	76.3	174.0	242.2	265.6
135°	0.0	70.2	162.8	231.0	252.4
137.5°	0.0	65.1	150.6	218.8	239.2
140°	0.0	59.0	138.4	204.6	225.9
142.5°	0.0	51.9	126.2	189.3	211.7
145°	0.0	45.8	114.0	173.0	197.4
147.5°	1.0	40.7	102.8	155.7	182.2
150°	1.0	36.6	91.6	138.4	164.9
152.5°	1.0	32.6	80.4	122.1	147.6
155°	1.0	28.5	70.2	105.8	131.3
157.5°	1.0	24.4	59.0	89.6	114.0
160°	1.0	21.4	48.9	75.3	97.7
162.5°	1.0	18.3	39.7	59.0	80.4
165°	1.0	15.3	31.5	43.8	62.1
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)