

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-LD5-75SL-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-75SL-SLC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

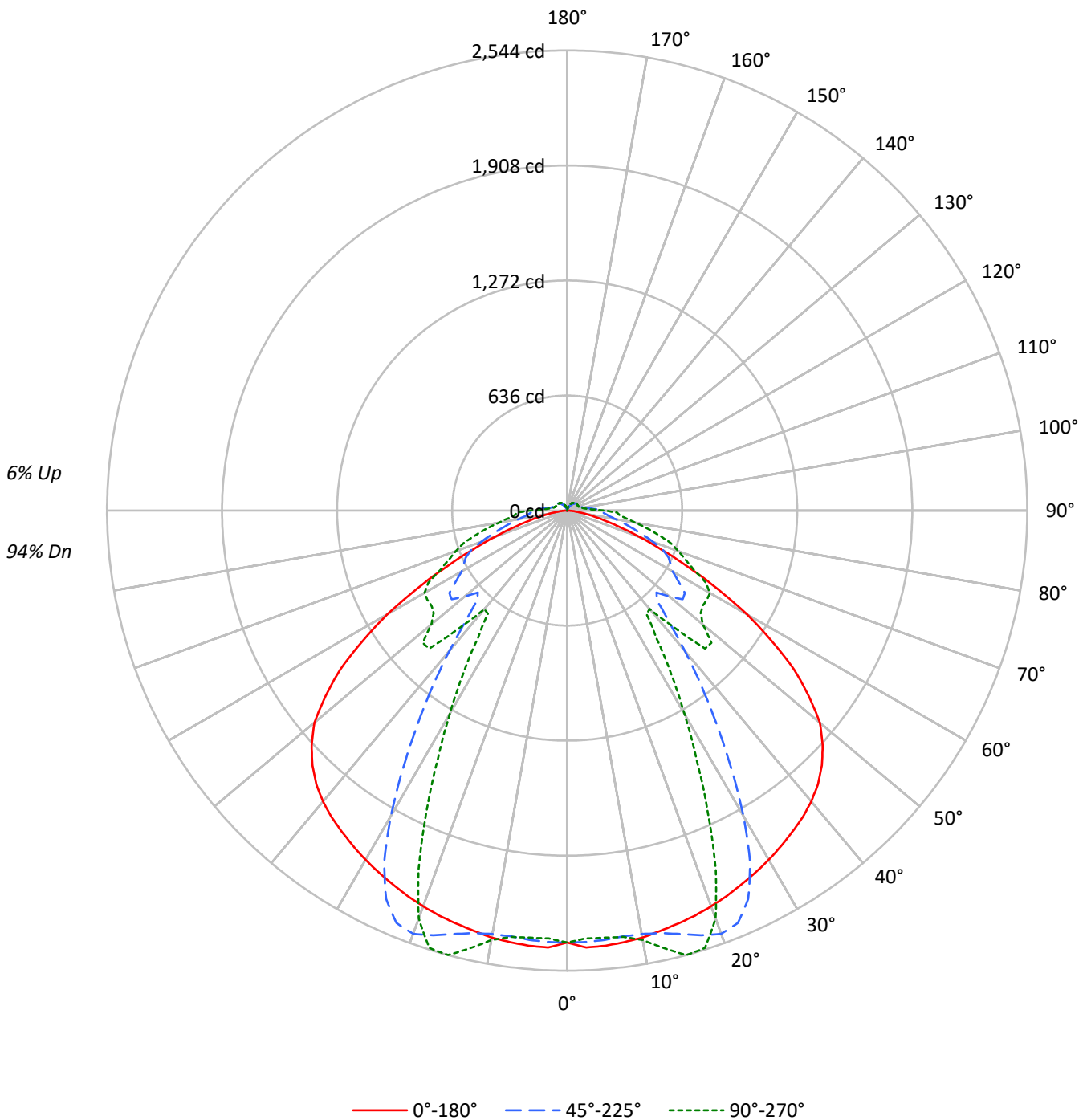
Lumens per Lamp: N/A
Luminaire Lumens: 6134.9 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94					94			
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78					78			
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66					66			
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56					56			
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49					49			
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43					43			
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38					38			
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34					34			
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30					30			
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28					28			
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9650	9650	9650
5°	9781	9433	9308
10°	9807	9298	9276
15°	9847	9437	9668
20°	9953	9727	9075
25°	10093	9357	6988
30°	10310	7844	4970
35°	10585	5946	3365
40°	10932	4327	2850
45°	11206	3142	4480
50°	11254	3484	4252
55°	10556	4015	4199
60°	9034	3680	4463
65°	6836	3718	4082
70°	4838	3393	3800
75°	3213	2851	3410
80°	2101	2453	2839
85°	1208	2345	2547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.2	3.7
10°-20°	686.2	11.2
20°-30°	996.8	16.2
30°-40°	952.4	15.5
40°-50°	871.2	14.2
50°-60°	804.4	13.1
60°-70°	638.9	10.4
70°-80°	394.4	6.4
80°-90°	214.7	3.5
90°-100°	108.5	1.8
100°-110°	68.2	1.1
110°-120°	57.8	0.9
120°-130°	47.2	0.8
130°-140°	33.9	0.6
140°-150°	20.9	0.3
150°-160°	9.9	0.2
160°-170°	2.6	0.0
170°-180°	0.0	0.0
0°-30°	1910.2	31.1
0°-40°	2862.5	46.7
0°-60°	4538.1	74.0
0°-90°	5786.1	94.3
90°-120°	234.5	3.8
90°-150°	336.4	5.5
90°-180°	349.0	5.7
0°-180°	6134.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2415	2378	2382	2369	2370	230
15°	2364	2332	2423	2513	2544	669
25°	2280	2325	2369	2006	1842	1054
35°	2169	2135	1439	991	862	1360
45°	1992	1389	702	896	1078	1531
55°	1532	713	795	855	916	1349
65°	739	462	620	753	771	747
75°	218	246	371	492	524	247
85°	31	105	210	286	291	39
90°	1	78	188	223	206	2
95°	0	73	130	115	109	0
105°	0	66	80	73	72	0
115°	0	54	77	69	66	1
125°	1	43	69	67	63	1
135°	1	31	55	60	58	1
145°	1	19	38	49	52	1
155°	2	12	23	31	37	1
165°	2	6	12	15	20	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°	2388.3	2388.3	2388.3	2388.3	2388.3
2.5°	2417.9	2383.0	2387.2	2379.8	2367.2
5°	2414.7	2377.7	2382.0	2369.3	2370.3
7.5°	2406.3	2368.2	2373.5	2371.4	2376.7
10°	2396.8	2356.6	2376.7	2394.6	2410.5
12.5°	2379.8	2343.9	2392.5	2445.4	2478.2
15°	2364.0	2332.3	2423.2	2513.1	2543.7
17.5°	2348.1	2328.0	2461.2	2539.5	2535.3
20°	2328.0	2325.9	2489.8	2463.4	2398.9
22.5°	2305.8	2327.0	2467.6	2274.1	2147.2
25°	2280.5	2324.9	2369.3	2005.6	1841.7
27.5°	2255.1	2315.3	2190.6	1711.7	1549.9
30°	2229.7	2290.0	1949.5	1443.1	1296.2
32.5°	2200.1	2235.0	1687.3	1205.2	1069.9
35°	2169.4	2134.6	1438.9	990.6	861.6
37.5°	2137.7	1989.7	1215.8	802.4	720.0
40°	2099.7	1807.9	1010.7	688.3	710.5
42.5°	2052.1	1602.8	829.9	722.1	876.4
45°	1991.8	1389.2	702.0	895.5	1078.4
47.5°	1915.7	1184.1	670.3	1025.5	1082.6
50°	1823.7	995.9	736.9	983.2	979.0
52.5°	1684.2	839.4	804.6	896.5	930.4
55°	1531.9	712.6	795.0	855.3	915.6
57.5°	1339.5	626.9	729.5	846.8	916.6
60°	1148.2	569.9	673.5	845.8	911.3
62.5°	936.7	518.0	644.9	825.7	864.8
65°	739.0	462.0	619.5	752.8	770.7
67.5°	566.7	404.9	575.1	671.3	707.3
70°	427.1	348.9	505.4	609.0	653.4
72.5°	307.7	296.0	433.5	554.0	600.5
75°	217.8	246.3	371.1	491.6	524.4
77.5°	150.1	200.9	318.2	422.9	449.3
80°	98.3	160.7	270.7	363.7	381.7
82.5°	59.2	129.0	234.7	318.2	327.7
85°	30.7	104.7	210.4	286.5	290.7
87.5°	9.5	87.8	196.6	271.7	277.0
90°	1.1	78.2	188.2	223.1	206.2
92.5°	0.0	74.0	162.8	152.2	136.4
95°	0.0	72.9	130.0	115.2	108.9
97.5°	0.0	70.8	106.8	96.2	93.0
100°	0.0	68.7	92.0	84.6	83.5
102.5°	0.0	67.7	83.5	77.2	76.1
105°	0.0	65.5	80.3	72.9	71.9
107.5°	0.0	62.4	78.2	70.8	68.7
110°	0.0	59.2	78.2	69.8	66.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.0	78.2	68.7	65.5
115°	0.0	53.9	77.2	68.7	65.5
117.5°	1.1	51.8	76.1	68.7	65.5
120°	0.0	49.7	74.0	68.7	64.5
122.5°	1.1	46.5	71.9	67.7	64.5
125°	1.1	43.3	68.7	66.6	63.4
127.5°	1.1	40.2	65.5	64.5	61.3
130°	1.1	37.0	62.4	63.4	60.3
132.5°	1.1	33.8	58.1	61.3	59.2
135°	1.1	30.7	55.0	60.3	58.1
137.5°	1.1	27.5	50.7	57.1	57.1
140°	1.1	24.3	46.5	55.0	56.0
142.5°	1.1	22.2	42.3	52.9	53.9
145°	1.1	19.0	38.1	48.6	51.8
147.5°	1.1	16.9	33.8	44.4	48.6
150°	1.1	14.8	29.6	40.2	44.4
152.5°	1.1	12.7	26.4	34.9	41.2
155°	2.1	11.6	23.3	30.7	37.0
157.5°	2.1	9.5	19.0	26.4	31.7
160°	2.1	8.5	16.9	22.2	28.5
162.5°	2.1	7.4	13.7	19.0	24.3
165°	2.1	6.3	11.6	14.8	20.1
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)