

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-LD5-98SL-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-98SL-SLC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

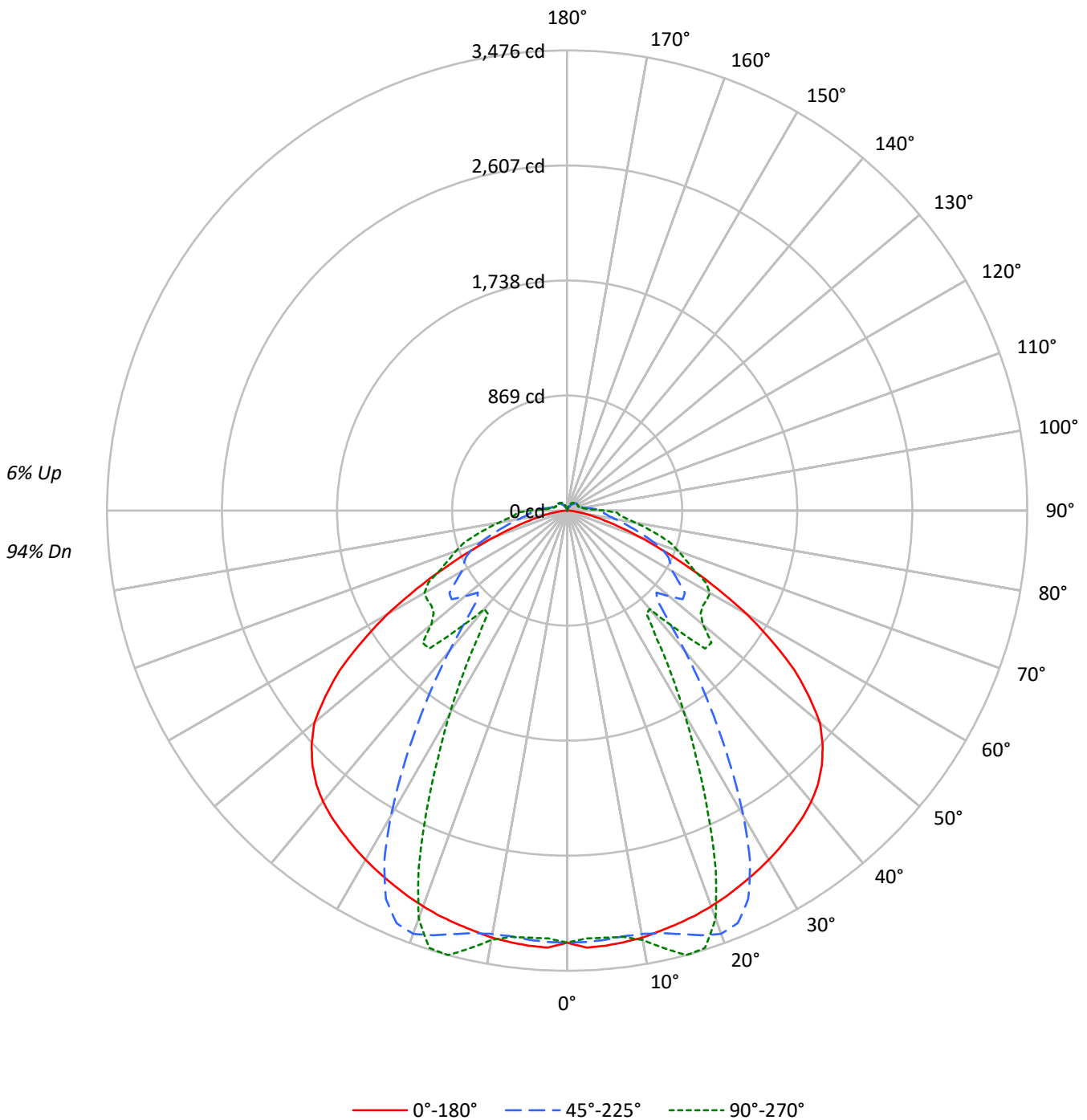
Lumens per Lamp: N/A
Luminaire Lumens: 8383.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13186	13186	13186
5°	13364	12890	12719
10°	13400	12705	12675
15°	13456	12895	13211
20°	13601	13291	12400
25°	13792	12785	9548
30°	14088	10718	6791
35°	14464	8125	4599
40°	14937	5913	3894
45°	15313	4294	6122
50°	15378	4761	5810
55°	14424	5487	5737
60°	12344	5028	6098
65°	9341	5081	5578
70°	6611	4636	5192
75°	4390	3896	4659
80°	2873	3351	3878
85°	1648	3204	3481



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.5	3.7
10°-20°	937.6	11.2
20°-30°	1362.0	16.2
30°-40°	1301.3	15.5
40°-50°	1190.4	14.2
50°-60°	1099.1	13.1
60°-70°	873.0	10.4
70°-80°	538.9	6.4
80°-90°	293.4	3.5
90°-100°	148.3	1.8
100°-110°	93.2	1.1
110°-120°	78.9	0.9
120°-130°	64.5	0.8
130°-140°	46.2	0.6
140°-150°	28.5	0.3
150°-160°	13.5	0.2
160°-170°	3.5	0.0
170°-180°	0.0	0.0
0°-30°	2610.1	31.1
0°-40°	3911.4	46.7
0°-60°	6200.9	74.0
0°-90°	7906.3	94.3
90°-120°	320.5	3.8
90°-150°	459.7	5.5
90°-180°	477.0	5.7
0°-180°	8383.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3263	3263	3263	3263	3263	
5°	3300	3249	3255	3237	3239	314
15°	3230	3187	3311	3434	3476	914
25°	3116	3177	3237	2740	2516	1440
35°	2964	2917	1966	1354	1177	1859
45°	2722	1898	959	1224	1474	2092
55°	2093	974	1086	1169	1251	1844
65°	1010	631	847	1029	1053	1021
75°	298	337	507	672	716	337
85°	42	143	288	392	397	53
90°	1	107	257	305	282	2
95°	0	100	178	158	149	0
105°	0	90	110	100	98	0
115°	0	74	106	94	90	1
125°	1	59	94	91	87	1
135°	1	42	75	82	80	1
145°	1	26	52	66	71	1
155°	3	16	32	42	51	1
165°	3	9	16	20	27	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-98SL-SLC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3263.4	3263.4	3263.4	3263.4	3263.4
2.5°	3303.9	3256.2	3262.0	3251.9	3234.5
5°	3299.5	3249.0	3254.8	3237.4	3238.9
7.5°	3288.0	3236.0	3243.2	3240.3	3247.5
10°	3275.0	3220.1	3247.5	3272.1	3293.8
12.5°	3251.9	3202.7	3269.2	3341.4	3386.2
15°	3230.2	3186.9	3311.1	3433.9	3475.8
17.5°	3208.5	3181.1	3363.1	3470.0	3464.2
20°	3181.1	3178.2	3402.1	3366.0	3277.9
22.5°	3150.7	3179.6	3371.8	3107.4	2934.0
25°	3116.1	3176.7	3237.4	2740.5	2516.5
27.5°	3081.4	3163.7	2993.3	2338.9	2117.8
30°	3046.7	3129.1	2663.9	1971.9	1771.1
32.5°	3006.3	3054.0	2305.6	1646.9	1462.0
35°	2964.4	2916.7	1966.1	1353.6	1177.4
37.5°	2921.0	2718.8	1661.3	1096.5	983.8
40°	2869.0	2470.3	1381.1	940.5	970.8
42.5°	2804.0	2190.1	1134.0	986.7	1197.6
45°	2721.7	1898.2	959.2	1223.6	1473.5
47.5°	2617.7	1618.0	915.9	1401.3	1479.3
50°	2492.0	1360.8	1006.9	1343.5	1337.7
52.5°	2301.3	1147.0	1099.4	1225.0	1271.3
55°	2093.3	973.7	1086.4	1168.7	1251.1
57.5°	1830.3	856.7	996.8	1157.1	1252.5
60°	1568.9	778.7	920.2	1155.7	1245.3
62.5°	1279.9	707.9	881.2	1128.3	1181.7
65°	1009.8	631.3	846.6	1028.6	1053.1
67.5°	774.3	553.3	785.9	917.3	966.5
70°	583.6	476.7	690.5	832.1	892.8
72.5°	420.4	404.5	592.3	757.0	820.6
75°	297.6	336.6	507.1	671.8	716.5
77.5°	205.1	274.5	434.8	577.9	614.0
80°	134.4	219.6	369.8	497.0	521.5
82.5°	80.9	176.2	320.7	434.8	447.8
85°	41.9	143.0	287.5	391.5	397.3
87.5°	13.0	119.9	268.7	371.3	378.5
90°	1.4	106.9	257.1	304.8	281.7
92.5°	0.0	101.1	222.5	208.0	186.4
95°	0.0	99.7	177.7	157.5	148.8
97.5°	0.0	96.8	145.9	131.5	127.1
100°	0.0	93.9	125.7	115.6	114.1
102.5°	0.0	92.5	114.1	105.5	104.0
105°	0.0	89.6	109.8	99.7	98.2
107.5°	0.0	85.2	106.9	96.8	93.9
110°	0.0	80.9	106.9	95.3	91.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-98SL-SLC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	76.6	106.9	93.9	89.6
115°	0.0	73.7	105.5	93.9	89.6
117.5°	1.4	70.8	104.0	93.9	89.6
120°	0.0	67.9	101.1	93.9	88.1
122.5°	1.4	63.6	98.2	92.5	88.1
125°	1.4	59.2	93.9	91.0	86.7
127.5°	1.4	54.9	89.6	88.1	83.8
130°	1.4	50.6	85.2	86.7	82.3
132.5°	1.4	46.2	79.5	83.8	80.9
135°	1.4	41.9	75.1	82.3	79.5
137.5°	1.4	37.6	69.3	78.0	78.0
140°	1.4	33.2	63.6	75.1	76.6
142.5°	1.4	30.3	57.8	72.2	73.7
145°	1.4	26.0	52.0	66.5	70.8
147.5°	1.4	23.1	46.2	60.7	66.5
150°	1.4	20.2	40.4	54.9	60.7
152.5°	1.4	17.3	36.1	47.7	56.3
155°	2.9	15.9	31.8	41.9	50.6
157.5°	2.9	13.0	26.0	36.1	43.3
160°	2.9	11.6	23.1	30.3	39.0
162.5°	2.9	10.1	18.8	26.0	33.2
165°	2.9	8.7	15.9	20.2	27.4
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)