

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-LD5-105SL-SLC-UNV-L950-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-LD5-105SL-SLC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

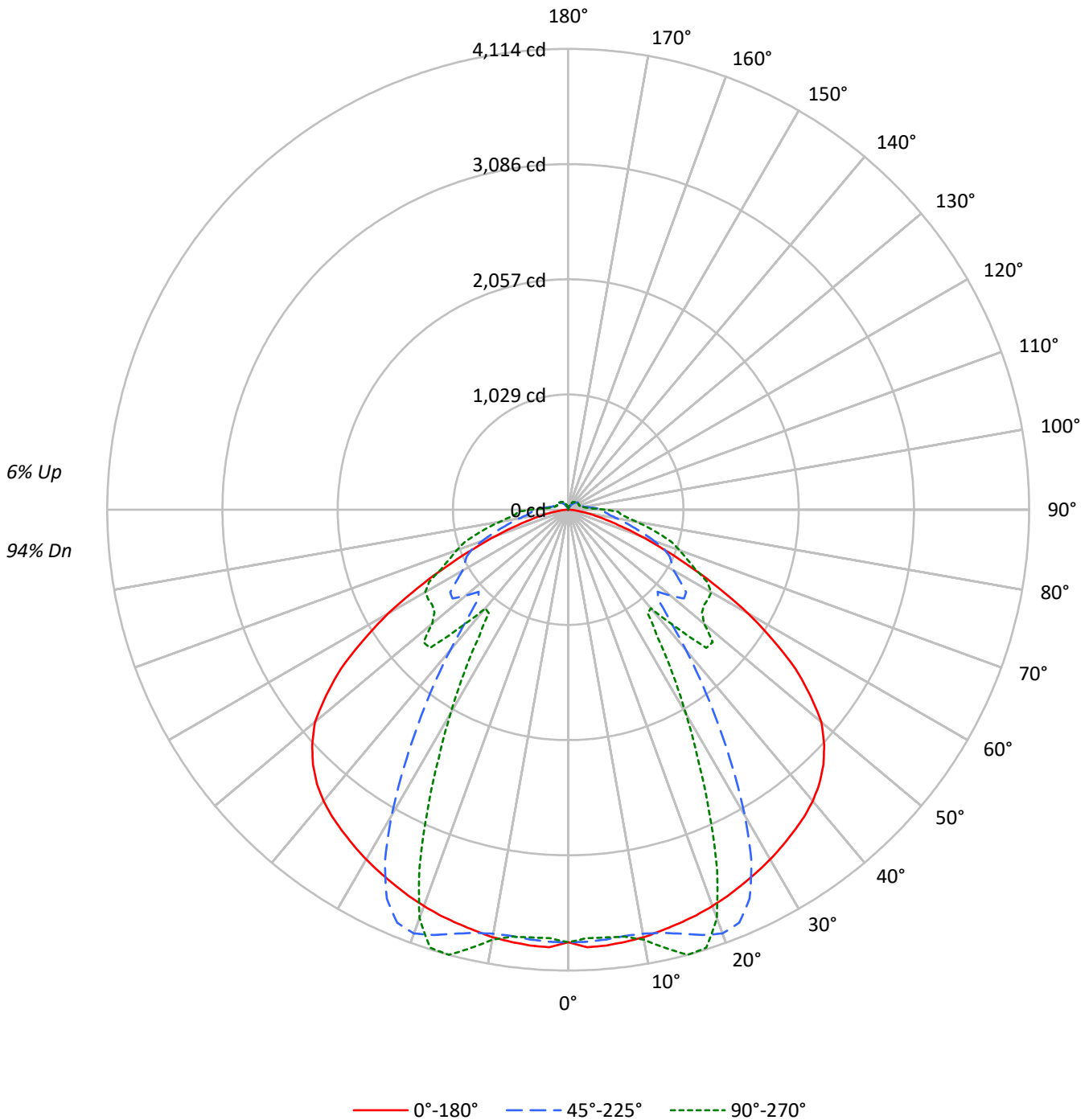
Lumens per Lamp: N/A
Luminaire Lumens: 9921.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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	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°	15605	15605	15605
5°	15816	15254	15052
10°	15858	15035	15000
15°	15924	15261	15634
20°	16096	15730	14675
25°	16322	15130	11300
30°	16672	12684	8038
35°	17117	9616	5443
40°	17677	6997	4608
45°	18122	5082	7245
50°	18200	5634	6876
55°	17070	6493	6790
60°	14609	5951	7217
65°	11055	6013	6602
70°	7824	5486	6145
75°	5195	4611	5514
80°	3399	3966	4590
85°	1951	3791	4120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.4	3.7
10°-20°	1109.6	11.2
20°-30°	1611.9	16.2
30°-40°	1540.1	15.5
40°-50°	1408.8	14.2
50°-60°	1300.8	13.1
60°-70°	1033.2	10.4
70°-80°	637.7	6.4
80°-90°	347.3	3.5
90°-100°	175.5	1.8
100°-110°	110.3	1.1
110°-120°	93.4	0.9
120°-130°	76.3	0.8
130°-140°	54.7	0.6
140°-150°	33.7	0.3
150°-160°	16.0	0.2
160°-170°	4.2	0.0
170°-180°	0.0	0.0
0°-30°	3089.0	31.1
0°-40°	4629.0	46.7
0°-60°	7338.6	74.0
0°-90°	9356.8	94.3
90°-120°	379.2	3.8
90°-150°	544.0	5.5
90°-180°	564.0	5.7
0°-180°	9921.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3862	3862	3862	3862	3862	
5°	3905	3845	3852	3831	3833	372
15°	3823	3772	3919	4064	4114	1082
25°	3688	3760	3831	3243	2978	1704
35°	3508	3452	2327	1602	1393	2200
45°	3221	2246	1135	1448	1744	2475
55°	2477	1152	1286	1383	1481	2182
65°	1195	747	1002	1217	1246	1208
75°	352	398	600	795	848	399
85°	50	169	340	463	470	63
90°	2	126	304	361	333	3
95°	0	118	210	186	176	0
105°	0	106	130	118	116	0
115°	0	87	125	111	106	1
125°	2	70	111	108	103	1
135°	2	50	89	98	94	1
145°	2	31	62	79	84	1
155°	3	19	38	50	60	1
165°	3	10	19	24	32	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3862.2	3862.2	3862.2	3862.2	3862.2
2.5°	3910.0	3853.6	3860.4	3848.5	3828.0
5°	3904.9	3845.1	3851.9	3831.4	3833.1
7.5°	3891.2	3829.7	3838.2	3834.8	3843.3
10°	3875.8	3810.9	3843.3	3872.4	3898.1
12.5°	3848.5	3790.3	3869.0	3954.5	4007.5
15°	3822.8	3771.5	3918.6	4063.9	4113.5
17.5°	3797.2	3764.7	3980.1	4106.6	4099.8
20°	3764.7	3761.3	4026.3	3983.5	3879.2
22.5°	3728.8	3763.0	3990.4	3677.5	3472.3
25°	3687.8	3759.6	3831.4	3243.2	2978.2
27.5°	3646.7	3744.2	3542.4	2768.0	2506.4
30°	3605.7	3703.2	3152.6	2333.7	2096.1
32.5°	3557.8	3614.2	2728.6	1949.0	1730.2
35°	3508.2	3451.8	2326.9	1602.0	1393.4
37.5°	3457.0	3217.6	1966.1	1297.6	1164.3
40°	3395.4	2923.5	1634.4	1113.0	1148.9
42.5°	3318.5	2591.9	1342.1	1167.7	1417.3
45°	3221.0	2246.5	1135.2	1448.1	1743.9
47.5°	3097.9	1914.8	1083.9	1658.4	1750.7
50°	2949.2	1610.5	1191.6	1590.0	1583.2
52.5°	2723.5	1357.5	1301.1	1449.8	1504.5
55°	2477.3	1152.3	1285.7	1383.1	1480.6
57.5°	2166.2	1013.8	1179.7	1369.4	1482.3
60°	1856.7	921.5	1089.1	1367.7	1473.7
62.5°	1514.8	837.7	1042.9	1335.3	1398.5
65°	1195.1	747.1	1001.9	1217.3	1246.4
67.5°	916.4	654.8	930.1	1085.6	1143.8
70°	690.7	564.2	817.2	984.8	1056.6
72.5°	497.5	478.7	701.0	895.9	971.1
75°	352.2	398.4	600.1	795.0	848.0
77.5°	242.8	324.8	514.6	683.9	726.6
80°	159.0	259.9	437.7	588.1	617.2
82.5°	95.7	208.6	379.5	514.6	530.0
85°	49.6	169.3	340.2	463.3	470.2
87.5°	15.4	141.9	318.0	439.4	447.9
90°	1.7	126.5	304.3	360.7	333.4
92.5°	0.0	119.7	263.3	246.2	220.5
95°	0.0	118.0	210.3	186.4	176.1
97.5°	0.0	114.5	172.7	155.6	150.5
100°	0.0	111.1	148.7	136.8	135.1
102.5°	0.0	109.4	135.1	124.8	123.1
105°	0.0	106.0	129.9	118.0	116.3
107.5°	0.0	100.9	126.5	114.5	111.1
110°	0.0	95.7	126.5	112.8	107.7



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.6	126.5	111.1	106.0
115°	0.0	87.2	124.8	111.1	106.0
117.5°	1.7	83.8	123.1	111.1	106.0
120°	0.0	80.4	119.7	111.1	104.3
122.5°	1.7	75.2	116.3	109.4	104.3
125°	1.7	70.1	111.1	107.7	102.6
127.5°	1.7	65.0	106.0	104.3	99.2
130°	1.7	59.8	100.9	102.6	97.5
132.5°	1.7	54.7	94.0	99.2	95.7
135°	1.7	49.6	88.9	97.5	94.0
137.5°	1.7	44.5	82.1	92.3	92.3
140°	1.7	39.3	75.2	88.9	90.6
142.5°	1.7	35.9	68.4	85.5	87.2
145°	1.7	30.8	61.5	78.6	83.8
147.5°	1.7	27.4	54.7	71.8	78.6
150°	1.7	23.9	47.9	65.0	71.8
152.5°	1.7	20.5	42.7	56.4	66.7
155°	3.4	18.8	37.6	49.6	59.8
157.5°	3.4	15.4	30.8	42.7	51.3
160°	3.4	13.7	27.4	35.9	46.2
162.5°	3.4	12.0	22.2	30.8	39.3
165°	3.4	10.3	18.8	23.9	32.5
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)