

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-L835-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-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

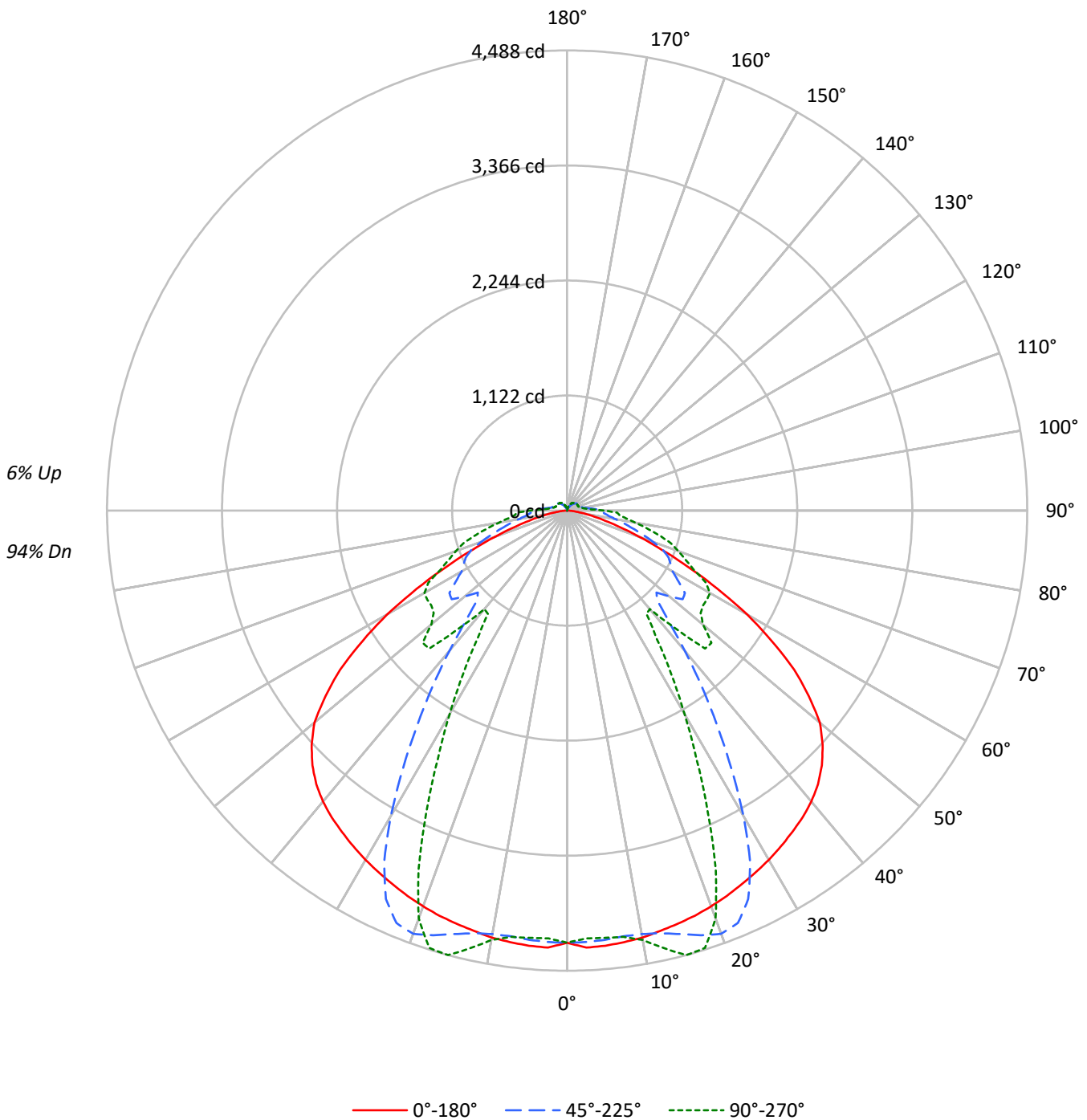
Lumens per Lamp: N/A  
Luminaire Lumens: 10824.0 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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	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°	17025	17025	17025
5°	17256	16643	16423
10°	17302	16404	16366
15°	17374	16650	17057
20°	17561	17161	16011
25°	17807	16508	12328
30°	18190	13839	8769
35°	18676	10491	5938
40°	19287	7634	5028
45°	19772	5544	7905
50°	19856	6147	7502
55°	18624	7084	7408
60°	15938	6493	7874
65°	12061	6561	7203
70°	8536	5986	6704
75°	5667	5030	6016
80°	3708	4327	5008
85°	2128	4137	4495



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.9	3.7
10°-20°	1210.6	11.2
20°-30°	1758.6	16.2
30°-40°	1680.3	15.5
40°-50°	1537.0	14.2
50°-60°	1419.2	13.1
60°-70°	1127.3	10.4
70°-80°	695.8	6.4
80°-90°	378.9	3.5
90°-100°	191.5	1.8
100°-110°	120.3	1.1
110°-120°	101.9	0.9
120°-130°	83.3	0.8
130°-140°	59.7	0.6
140°-150°	36.8	0.3
150°-160°	17.5	0.2
160°-170°	4.5	0.0
170°-180°	0.0	0.0
0°-30°	3370.1	31.1
0°-40°	5050.4	46.7
0°-60°	8006.5	74.0
0°-90°	10208.5	94.3
90°-120°	413.7	3.8
90°-150°	593.5	5.5
90°-180°	616.0	5.7
0°-180°	10824.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4214	4214	4214	4214	4214	
5°	4260	4195	4202	4180	4182	405
15°	4171	4115	4275	4434	4488	1180
25°	4023	4102	4180	3538	3249	1860
35°	3828	3766	2539	1748	1520	2400
45°	3514	2451	1238	1580	1903	2701
55°	2703	1257	1403	1509	1615	2380
65°	1304	815	1093	1328	1360	1318
75°	384	435	655	867	925	436
85°	54	185	371	506	513	69
90°	2	138	332	394	364	3
95°	0	129	229	203	192	0
105°	0	116	142	129	127	0
115°	0	95	136	121	116	1
125°	2	76	121	118	112	1
135°	2	54	97	106	103	1
145°	2	34	67	86	91	1
155°	4	20	41	54	65	1
165°	4	11	20	26	35	1
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°	4213.7	4213.7	4213.7	4213.7	4213.7
2.5°	4265.9	4204.4	4211.8	4198.8	4176.4
5°	4260.3	4195.0	4202.5	4180.1	4182.0
7.5°	4245.4	4178.2	4187.6	4183.8	4193.2
10°	4228.6	4157.7	4193.2	4224.9	4252.9
12.5°	4198.8	4135.3	4221.1	4314.4	4372.2
15°	4170.8	4114.8	4275.2	4433.8	4487.9
17.5°	4142.8	4107.4	4342.4	4480.4	4473.0
20°	4107.4	4103.6	4392.7	4346.1	4232.3
22.5°	4068.2	4105.5	4353.6	4012.2	3788.4
25°	4023.4	4101.8	4180.1	3538.4	3249.3
27.5°	3978.7	4085.0	3864.9	3019.9	2734.5
30°	3933.9	4040.2	3439.6	2546.1	2286.8
32.5°	3881.7	3943.2	2977.0	2126.4	1887.7
35°	3827.6	3766.0	2538.7	1747.8	1520.2
37.5°	3771.6	3510.5	2145.1	1415.8	1270.3
40°	3704.5	3189.6	1783.2	1214.3	1253.5
42.5°	3620.5	2827.8	1464.2	1274.0	1546.3
45°	3514.2	2451.0	1238.5	1579.9	1902.6
47.5°	3379.9	2089.1	1182.6	1809.3	1910.1
50°	3217.6	1757.1	1300.1	1734.7	1727.3
52.5°	2971.4	1481.0	1419.5	1581.8	1641.5
55°	2702.8	1257.2	1402.7	1509.0	1615.3
57.5°	2363.3	1106.1	1287.0	1494.1	1617.2
60°	2025.7	1005.4	1188.2	1492.2	1607.9
62.5°	1652.6	914.0	1137.8	1456.8	1525.8
65°	1303.8	815.1	1093.1	1328.1	1359.8
67.5°	999.8	714.4	1014.7	1184.5	1247.9
70°	753.6	615.5	891.6	1074.4	1152.7
72.5°	542.8	522.3	764.8	977.4	1059.5
75°	384.2	434.6	654.7	867.4	925.2
77.5°	264.9	354.4	561.5	746.1	792.7
80°	173.5	283.5	477.5	641.7	673.4
82.5°	104.5	227.6	414.1	561.5	578.2
85°	54.1	184.7	371.2	505.5	513.0
87.5°	16.8	154.8	346.9	479.4	488.7
90°	1.9	138.0	332.0	393.6	363.7
92.5°	0.0	130.6	287.3	268.6	240.6
95°	0.0	128.7	229.4	203.3	192.1
97.5°	0.0	125.0	188.4	169.7	164.1
100°	0.0	121.2	162.3	149.2	147.4
102.5°	0.0	119.4	147.4	136.2	134.3
105°	0.0	115.6	141.8	128.7	126.8
107.5°	0.0	110.1	138.0	125.0	121.2
110°	0.0	104.5	138.0	123.1	117.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	98.9	138.0	121.2	115.6
115°	0.0	95.1	136.2	121.2	115.6
117.5°	1.9	91.4	134.3	121.2	115.6
120°	0.0	87.7	130.6	121.2	113.8
122.5°	1.9	82.1	126.8	119.4	113.8
125°	1.9	76.5	121.2	117.5	111.9
127.5°	1.9	70.9	115.6	113.8	108.2
130°	1.9	65.3	110.1	111.9	106.3
132.5°	1.9	59.7	102.6	108.2	104.5
135°	1.9	54.1	97.0	106.3	102.6
137.5°	1.9	48.5	89.5	100.7	100.7
140°	1.9	42.9	82.1	97.0	98.9
142.5°	1.9	39.2	74.6	93.3	95.1
145°	1.9	33.6	67.2	85.8	91.4
147.5°	1.9	29.8	59.7	78.3	85.8
150°	1.9	26.1	52.2	70.9	78.3
152.5°	1.9	22.4	46.6	61.6	72.7
155°	3.7	20.5	41.0	54.1	65.3
157.5°	3.7	16.8	33.6	46.6	56.0
160°	3.7	14.9	29.8	39.2	50.4
162.5°	3.7	13.1	24.2	33.6	42.9
165°	3.7	11.2	20.5	26.1	35.4
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)