

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-LD5-81SL-SLW-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-81SL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

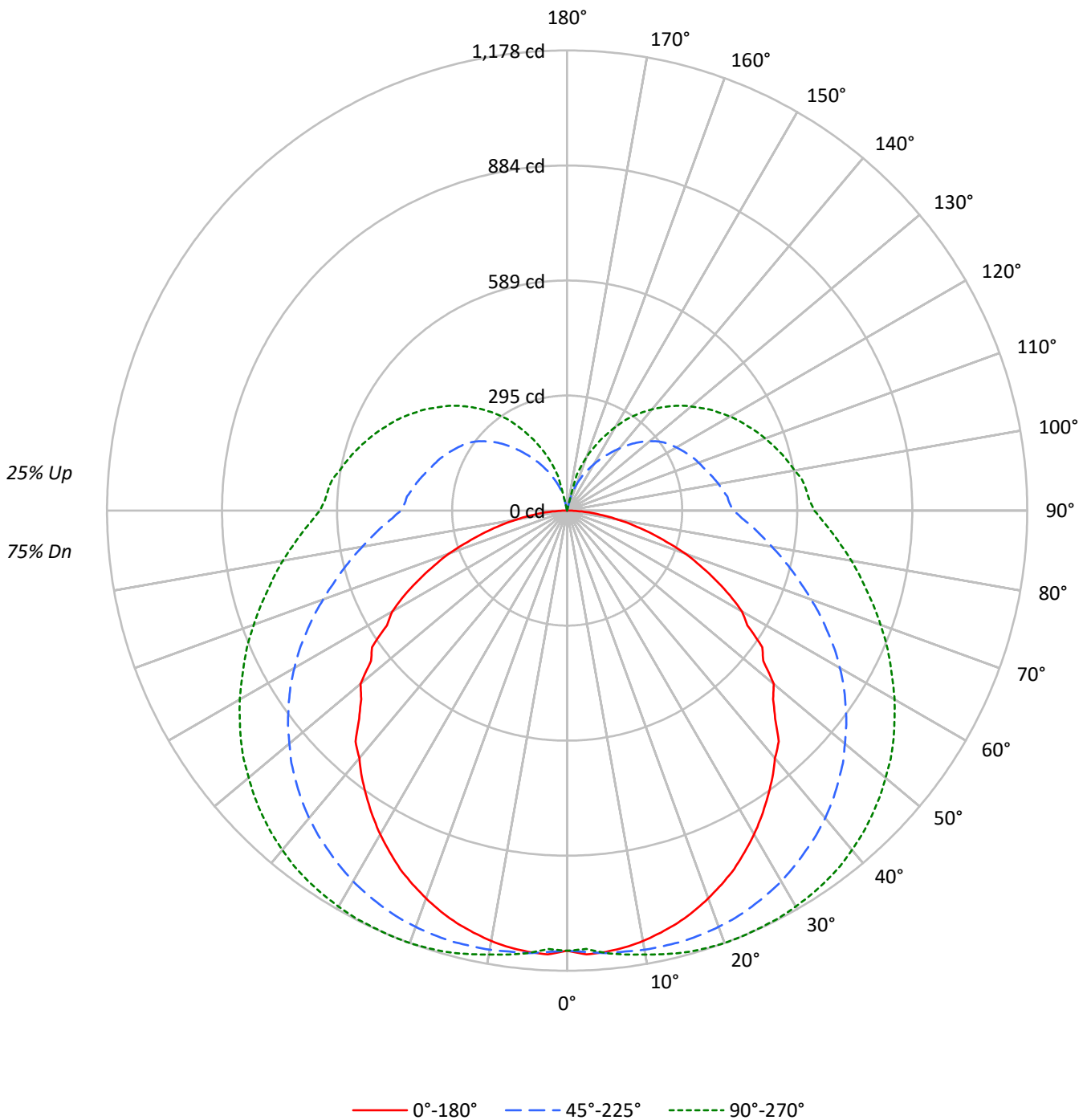
Lumens per Lamp: N/A
Luminaire Lumens: 6487.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 69
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°	4552	4552	4552
5°	4594	4503	4466
10°	4578	4466	4440
15°	4553	4446	4450
20°	4517	4431	4457
25°	4480	4419	4465
30°	4426	4410	4489
35°	4366	4397	4519
40°	4309	4399	4549
45°	4237	4395	4585
50°	4261	4389	4621
55°	4201	4396	4677
60°	4066	4406	4740
65°	3864	4419	4829
70°	3643	4462	4964
75°	3238	4579	5164
80°	2802	4820	5498
85°	2218	5300	5984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	1.7
10°-20°	320.9	4.9
20°-30°	510.0	7.9
30°-40°	654.6	10.1
40°-50°	739.2	11.4
50°-60°	754.3	11.6
60°-70°	698.8	10.8
70°-80°	591.6	9.1
80°-90°	472.3	7.3
90°-100°	401.0	6.2
100°-110°	357.2	5.5
110°-120°	304.3	4.7
120°-130°	241.7	3.7
130°-140°	171.4	2.6
140°-150°	102.4	1.6
150°-160°	47.7	0.7
160°-170°	11.3	0.2
170°-180°	0.0	0.0
0°-30°	939.2	14.5
0°-40°	1593.8	24.6
0°-60°	3087.3	47.6
0°-90°	4849.9	74.8
90°-120°	1062.5	16.4
90°-150°	1578.0	24.3
90°-180°	1637.0	25.2
0°-180°	6487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1134	1125	1137	1137	1137	108
15°	1093	1102	1142	1163	1171	308
25°	1012	1046	1119	1158	1177	466
35°	895	960	1064	1130	1157	560
45°	753	855	982	1067	1104	585
55°	610	712	870	977	1020	535
65°	418	556	736	863	912	414
75°	220	389	596	742	794	234
85°	56	250	476	630	683	62
90°	3	204	425	579	633	5
95°	0	192	412	562	614	0
105°	0	177	375	517	567	0
115°	0	165	342	465	511	0
125°	0	142	303	410	450	0
135°	0	105	244	346	378	0
145°	0	69	171	259	296	1
155°	2	43	105	158	197	1
165°	2	23	47	66	93	0
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°	1126.5	1126.5	1126.5	1126.5	1126.5
2.5°	1137.2	1125.0	1131.1	1129.5	1123.4
5°	1134.1	1125.0	1137.2	1137.2	1137.2
7.5°	1128.0	1121.9	1138.7	1144.8	1146.3
10°	1118.9	1118.9	1141.7	1150.9	1153.9
12.5°	1106.7	1111.2	1141.7	1155.4	1163.1
15°	1093.0	1102.1	1141.7	1163.1	1170.7
17.5°	1076.2	1091.4	1138.7	1164.6	1175.3
20°	1056.4	1079.2	1134.1	1164.6	1178.3
22.5°	1035.0	1064.0	1128.0	1161.5	1178.3
25°	1012.2	1045.7	1118.9	1158.5	1176.8
27.5°	984.7	1027.4	1108.2	1153.9	1175.3
30°	957.3	1006.1	1096.0	1147.8	1170.7
32.5°	926.8	983.2	1080.8	1138.7	1164.6
35°	894.8	960.3	1064.0	1129.5	1157.0
37.5°	862.8	932.9	1047.2	1117.3	1147.8
40°	827.7	905.5	1027.4	1102.1	1134.1
42.5°	801.8	876.5	1006.1	1086.9	1120.4
45°	753.0	855.2	981.7	1067.0	1103.6
47.5°	714.9	814.0	957.3	1047.2	1085.3
50°	690.5	780.5	928.3	1024.4	1064.0
52.5°	632.6	757.6	900.9	1001.5	1044.2
55°	609.7	711.9	870.4	977.1	1019.8
57.5°	547.2	679.9	839.9	949.7	993.9
60°	516.8	635.6	806.4	922.2	968.0
62.5°	469.5	597.5	772.8	891.7	939.0
65°	417.7	556.4	736.3	862.8	911.6
67.5°	368.9	515.2	701.2	832.3	884.1
70°	321.6	472.5	664.6	801.8	853.6
72.5°	266.8	429.9	629.6	772.8	824.7
75°	219.5	388.7	596.0	742.4	794.2
77.5°	173.8	349.1	564.0	714.9	766.7
80°	131.1	311.0	532.0	686.0	739.3
82.5°	91.5	279.0	503.0	658.5	710.3
85°	56.4	250.0	475.6	629.6	682.9
87.5°	25.9	224.1	448.2	602.1	657.0
90°	3.0	204.3	425.3	579.2	632.6
92.5°	1.5	198.2	416.1	568.6	620.4
95°	0.0	192.1	411.6	562.5	614.3
97.5°	0.0	186.0	400.9	553.3	606.7
100°	0.0	182.9	393.3	539.6	591.4
102.5°	0.0	178.3	384.1	527.4	579.2
105°	0.0	176.8	375.0	516.8	567.1
107.5°	0.0	173.8	365.8	503.0	553.3
110°	0.0	170.7	358.2	490.8	539.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	167.7	350.6	478.6	525.9
115°	0.0	164.6	341.5	464.9	510.7
117.5°	0.0	160.1	332.3	451.2	496.9
120°	0.0	154.0	323.2	439.0	481.7
122.5°	0.0	147.9	314.0	423.8	464.9
125°	0.0	141.8	303.3	410.0	449.7
127.5°	0.0	132.6	291.1	394.8	431.4
130°	0.0	123.5	275.9	379.6	414.6
132.5°	1.5	114.3	260.7	362.8	397.9
135°	0.0	105.2	243.9	346.0	378.0
137.5°	0.0	97.6	225.6	327.7	358.2
140°	0.0	88.4	207.3	306.4	338.4
142.5°	0.0	77.7	189.0	283.5	317.1
145°	0.0	68.6	170.7	259.1	295.7
147.5°	1.5	61.0	154.0	233.2	272.9
150°	1.5	54.9	137.2	207.3	246.9
152.5°	1.5	48.8	120.4	182.9	221.0
155°	1.5	42.7	105.2	158.5	196.6
157.5°	1.5	36.6	88.4	134.1	170.7
160°	1.5	32.0	73.2	112.8	146.3
162.5°	1.5	27.4	59.4	88.4	120.4
165°	1.5	22.9	47.3	65.5	93.0
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)