

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-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-LD5-98SL-SLC-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

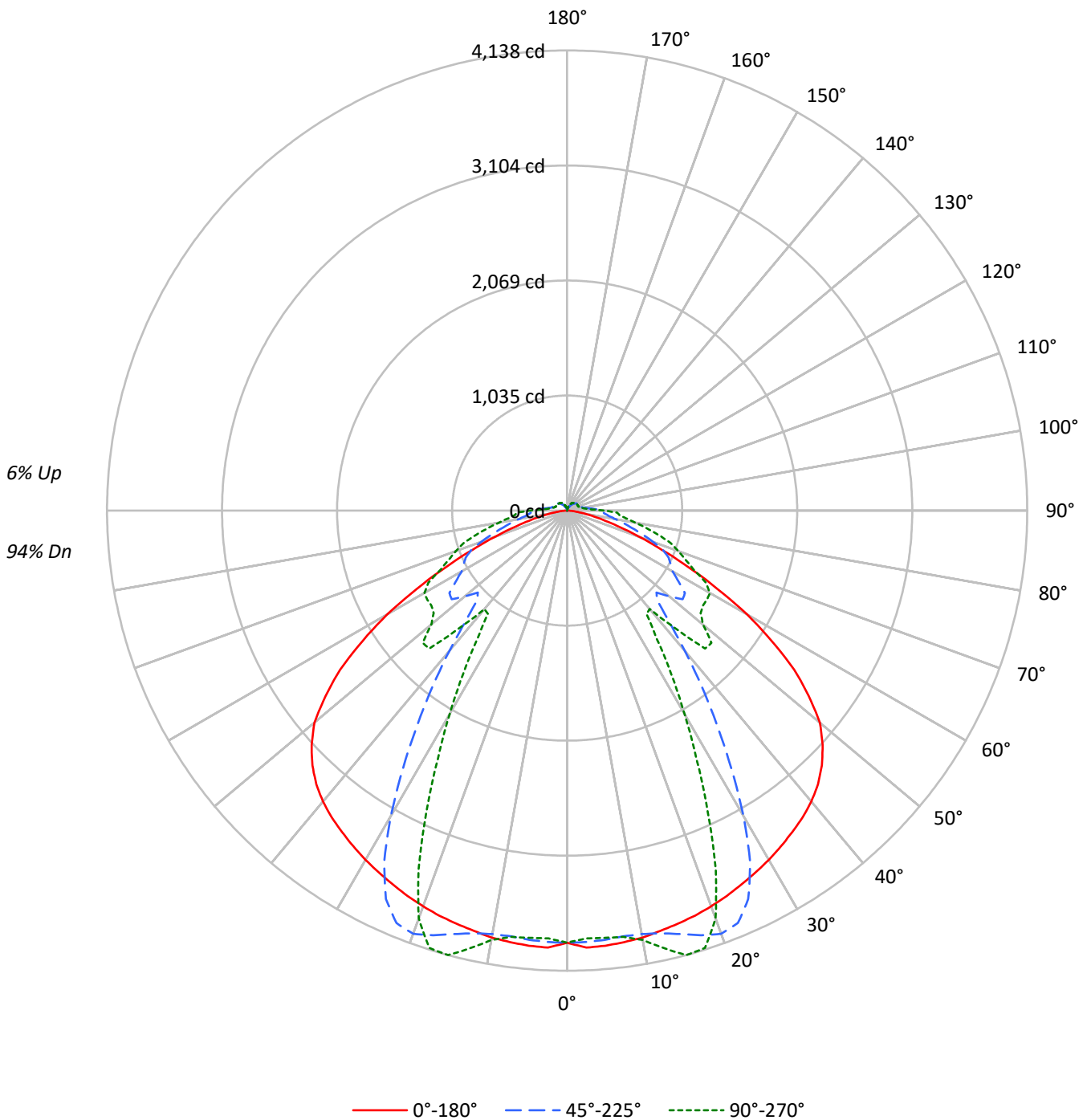
Lumens per Lamp: N/A
Luminaire Lumens: 9980.0 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	15698	15698	15698
5°	15910	15345	15142
10°	15953	15125	15089
15°	16019	15352	15727
20°	16192	15823	14762
25°	16419	15221	11367
30°	16771	12760	8085
35°	17219	9673	5475
40°	17782	7039	4636
45°	18230	5112	7288
50°	18308	5668	6917
55°	17171	6532	6830
60°	14695	5986	7260
65°	11121	6049	6641
70°	7870	5519	6182
75°	5226	4638	5546
80°	3418	3990	4617
85°	1963	3813	4145



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	3.7
10°-20°	1116.2	11.2
20°-30°	1621.5	16.2
30°-40°	1549.3	15.5
40°-50°	1417.1	14.2
50°-60°	1308.5	13.1
60°-70°	1039.4	10.4
70°-80°	641.5	6.4
80°-90°	349.3	3.5
90°-100°	176.6	1.8
100°-110°	110.9	1.1
110°-120°	94.0	0.9
120°-130°	76.8	0.8
130°-140°	55.1	0.6
140°-150°	34.0	0.3
150°-160°	16.1	0.2
160°-170°	4.2	0.0
170°-180°	0.0	0.0
0°-30°	3107.3	31.1
0°-40°	4656.6	46.7
0°-60°	7382.2	74.0
0°-90°	9412.4	94.3
90°-120°	381.5	3.8
90°-150°	547.3	5.5
90°-180°	568.0	5.7
0°-180°	9980.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3885	3885	3885	3885	3885	
5°	3928	3868	3875	3854	3856	374
15°	3846	3794	3942	4088	4138	1088
25°	3710	3782	3854	3262	2996	1715
35°	3529	3472	2341	1612	1402	2213
45°	3240	2260	1142	1457	1754	2490
55°	2492	1159	1293	1391	1489	2195
65°	1202	752	1008	1224	1254	1216
75°	354	401	604	800	853	402
85°	50	170	342	466	473	64
90°	2	127	306	363	335	3
95°	0	119	212	188	177	0
105°	0	107	131	119	117	0
115°	0	88	126	112	107	1
125°	2	70	112	108	103	1
135°	2	50	89	98	95	1
145°	2	31	62	79	84	1
155°	3	19	38	50	60	1
165°	3	10	19	24	33	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3885.1	3885.1	3885.1	3885.1	3885.1
2.5°	3933.3	3876.5	3883.4	3871.4	3850.7
5°	3928.1	3867.9	3874.8	3854.2	3855.9
7.5°	3914.4	3852.4	3861.0	3857.6	3866.2
10°	3898.9	3833.5	3866.2	3895.4	3921.2
12.5°	3871.4	3812.9	3892.0	3978.0	4031.3
15°	3845.6	3794.0	3941.9	4088.1	4137.9
17.5°	3819.8	3787.1	4003.8	4131.1	4124.2
20°	3787.1	3783.6	4050.2	4007.2	3902.3
22.5°	3751.0	3785.4	4014.1	3699.4	3493.0
25°	3709.7	3781.9	3854.2	3262.5	2996.0
27.5°	3668.4	3766.4	3563.5	2784.4	2521.3
30°	3627.1	3725.2	3171.4	2347.6	2108.5
32.5°	3579.0	3635.7	2744.9	1960.6	1740.5
35°	3529.1	3472.4	2340.7	1611.5	1401.7
37.5°	3477.5	3236.7	1977.8	1305.4	1171.2
40°	3415.6	2940.9	1644.2	1119.6	1155.7
42.5°	3338.2	2607.3	1350.1	1174.7	1425.7
45°	3240.2	2259.9	1142.0	1456.7	1754.2
47.5°	3116.4	1926.2	1090.4	1668.2	1761.1
50°	2966.7	1620.1	1198.7	1599.5	1592.6
52.5°	2739.7	1365.6	1308.8	1458.4	1513.5
55°	2492.0	1159.2	1293.3	1391.4	1489.4
57.5°	2179.0	1019.9	1186.7	1377.6	1491.1
60°	1867.7	927.0	1095.5	1375.9	1482.5
62.5°	1523.8	842.7	1049.1	1343.2	1406.8
65°	1202.2	751.6	1007.8	1224.5	1253.8
67.5°	921.8	658.7	935.6	1092.1	1150.6
70°	694.8	567.5	822.1	990.6	1062.9
72.5°	500.5	481.6	705.1	901.2	976.9
75°	354.3	400.7	603.7	799.7	853.0
77.5°	244.2	326.8	517.7	687.9	730.9
80°	159.9	261.4	440.3	591.6	620.9
82.5°	96.3	209.8	381.8	517.7	533.2
85°	49.9	170.3	342.2	466.1	473.0
87.5°	15.5	142.7	319.9	442.0	450.6
90°	1.7	127.3	306.1	362.9	335.4
92.5°	0.0	120.4	264.9	247.7	221.9
95°	0.0	118.7	211.5	187.5	177.1
97.5°	0.0	115.2	173.7	156.5	151.3
100°	0.0	111.8	149.6	137.6	135.9
102.5°	0.0	110.1	135.9	125.5	123.8
105°	0.0	106.6	130.7	118.7	116.9
107.5°	0.0	101.5	127.3	115.2	111.8
110°	0.0	96.3	127.3	113.5	108.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	91.2	127.3	111.8	106.6
115°	0.0	87.7	125.5	111.8	106.6
117.5°	1.7	84.3	123.8	111.8	106.6
120°	0.0	80.8	120.4	111.8	104.9
122.5°	1.7	75.7	116.9	110.1	104.9
125°	1.7	70.5	111.8	108.3	103.2
127.5°	1.7	65.4	106.6	104.9	99.8
130°	1.7	60.2	101.5	103.2	98.0
132.5°	1.7	55.0	94.6	99.8	96.3
135°	1.7	49.9	89.4	98.0	94.6
137.5°	1.7	44.7	82.6	92.9	92.9
140°	1.7	39.6	75.7	89.4	91.2
142.5°	1.7	36.1	68.8	86.0	87.7
145°	1.7	31.0	61.9	79.1	84.3
147.5°	1.7	27.5	55.0	72.2	79.1
150°	1.7	24.1	48.2	65.4	72.2
152.5°	1.7	20.6	43.0	56.8	67.1
155°	3.4	18.9	37.8	49.9	60.2
157.5°	3.4	15.5	31.0	43.0	51.6
160°	3.4	13.8	27.5	36.1	46.4
162.5°	3.4	12.0	22.4	31.0	39.6
165°	3.4	10.3	18.9	24.1	32.7
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)