

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-LD5-136SL-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 (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-136SL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

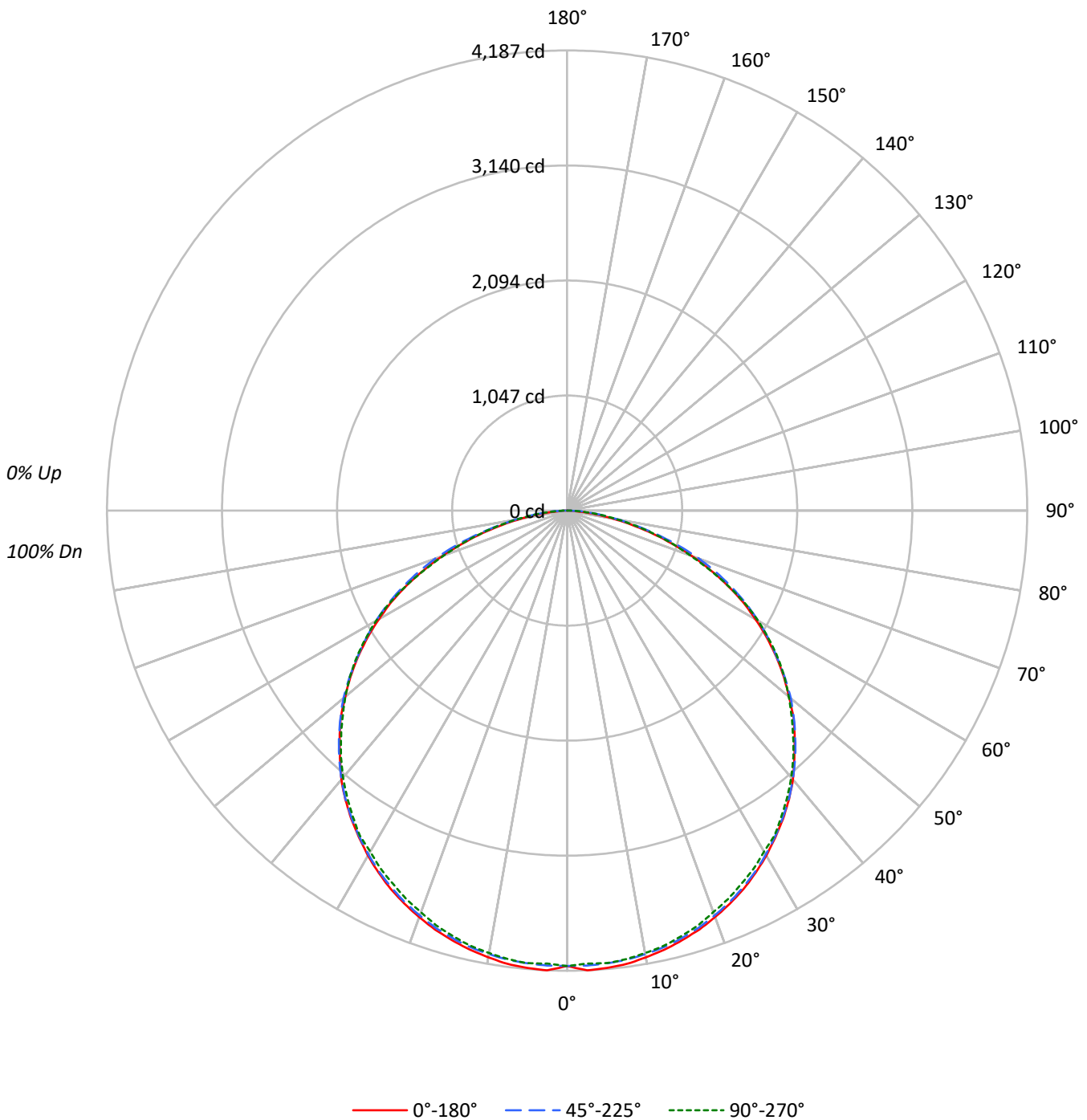
Lumens per Lamp: N/A
Luminaire Lumens: 12431.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16743	16743	16743
5°	16919	16378	16233
10°	16888	16033	15731
15°	16857	15687	15239
20°	16833	15316	14713
25°	16812	14943	14223
30°	16760	14542	13740
35°	16706	14124	13277
40°	16641	13676	12721
45°	16470	13142	12085
50°	16265	12560	11438
55°	16009	11775	10740
60°	15561	10977	9827
65°	14890	9934	8547
70°	13686	8556	6931
75°	11780	6549	5327
80°	9020	4330	3492
85°	4964	2121	1559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.3	3.2
10°-20°	1134.2	9.1
20°-30°	1736.2	14.0
30°-40°	2127.2	17.1
40°-50°	2250.0	18.1
50°-60°	2076.8	16.7
60°-70°	1603.0	12.9
70°-80°	889.7	7.2
80°-90°	220.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3263.8	26.3
0°-40°	5391.0	43.4
0°-60°	9717.9	78.2
0°-90°	12431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4144	4144	4144	4144	4144	
5°	4177	4123	4136	4125	4134	397
15°	4047	3999	4028	4014	4009	1143
25°	3798	3753	3784	3751	3749	1751
35°	3424	3387	3418	3380	3399	2142
45°	2927	2900	2936	2905	2909	2259
55°	2323	2305	2332	2330	2342	2074
65°	1610	1593	1655	1645	1614	1587
75°	799	846	852	850	819	847
85°	126	186	190	192	178	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4143.9	4143.9	4143.9	4143.9	4143.9
2.5°	4187.4	4133.6	4143.9	4137.7	4125.3
5°	4177.0	4123.2	4135.6	4125.3	4133.6
7.5°	4160.5	4102.5	4123.2	4108.7	4117.0
10°	4127.4	4077.7	4098.4	4081.8	4088.0
12.5°	4092.2	4040.5	4069.4	4048.7	4057.0
15°	4046.7	3999.1	4028.0	4013.6	4009.4
17.5°	3997.0	3951.5	3980.5	3963.9	3957.7
20°	3937.0	3893.6	3920.5	3895.6	3889.4
22.5°	3870.8	3827.4	3858.4	3823.2	3825.3
25°	3798.4	3752.9	3783.9	3750.8	3748.8
27.5°	3715.7	3672.2	3705.3	3670.1	3674.3
30°	3624.6	3581.2	3614.3	3579.1	3583.2
32.5°	3525.3	3490.1	3519.1	3486.0	3508.8
35°	3423.9	3386.7	3417.7	3380.5	3399.1
37.5°	3314.3	3279.1	3312.2	3270.9	3287.4
40°	3196.4	3165.3	3194.3	3157.1	3171.5
42.5°	3059.8	3041.2	3070.2	3032.9	3045.3
45°	2927.4	2900.5	2935.7	2904.7	2908.8
47.5°	2795.0	2766.1	2799.2	2772.3	2770.2
50°	2635.7	2625.4	2656.4	2635.7	2633.6
52.5°	2484.7	2464.0	2497.1	2486.8	2493.0
55°	2323.3	2304.7	2331.6	2329.5	2341.9
57.5°	2155.7	2137.1	2172.3	2168.2	2178.5
60°	1977.8	1963.3	2008.9	1998.5	2006.8
62.5°	1804.0	1777.1	1835.1	1826.8	1822.7
65°	1609.6	1593.0	1655.1	1644.7	1613.7
67.5°	1408.9	1402.7	1466.8	1446.1	1394.4
70°	1208.2	1212.3	1274.4	1235.1	1191.7
72.5°	997.2	1028.2	1065.5	1036.5	1005.5
75°	798.6	846.2	852.4	850.3	819.3
77.5°	604.1	664.1	649.6	664.1	639.3
80°	422.0	488.2	477.9	490.3	469.6
82.5°	260.7	320.7	322.7	331.0	312.4
85°	126.2	186.2	190.3	192.4	177.9
87.5°	26.9	86.9	89.0	82.8	72.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)