

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: P218433

Luminaire Tested: **4SNLED-LD5-35SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-35SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3597.9 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

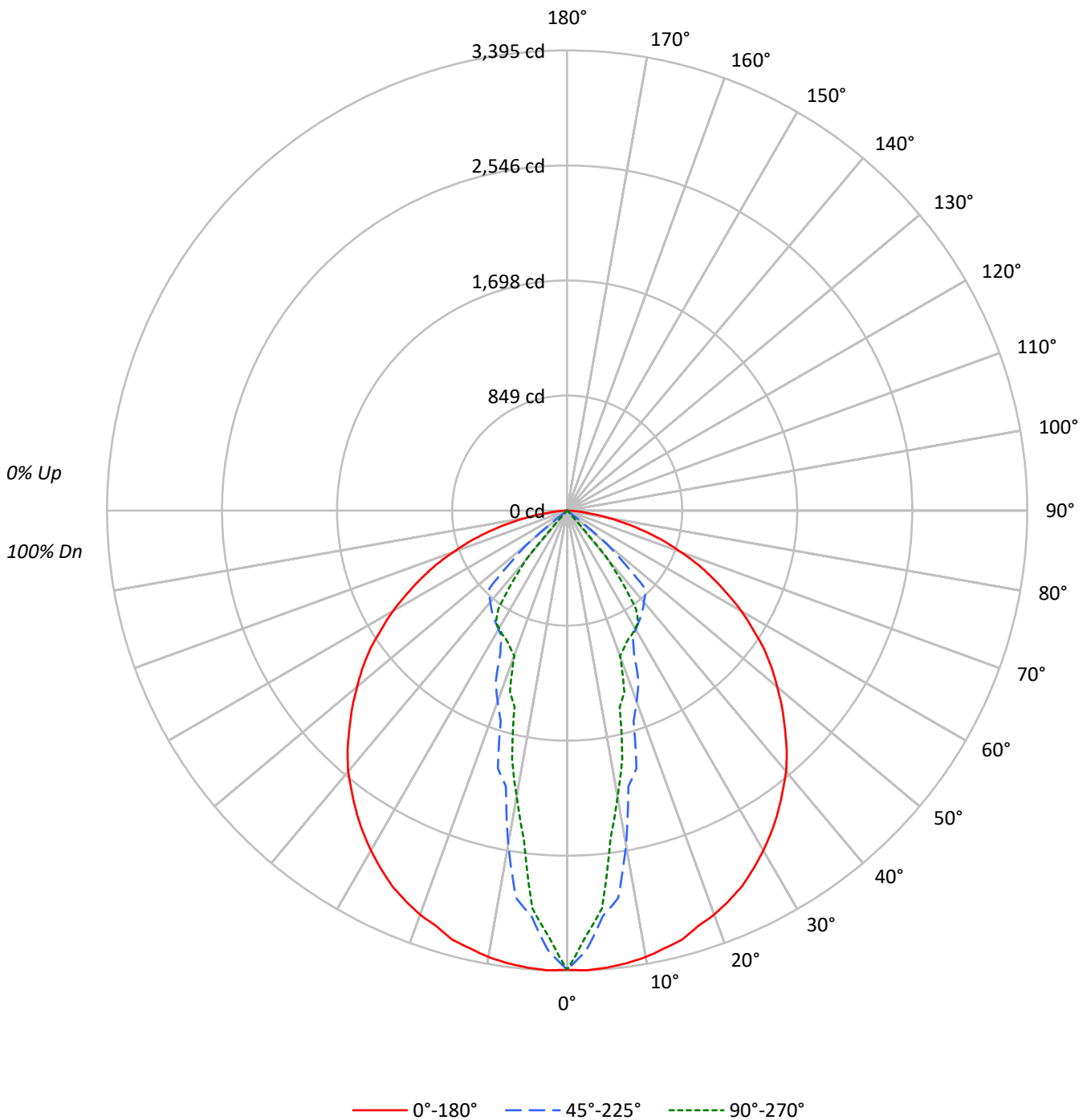
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89				89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70				70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36				36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54588	54588	54588
5°	54541	45665	43819
10°	54319	36215	29801
15°	54052	27452	19723
20°	53580	20247	14342
25°	53288	15466	12799
30°	52607	13212	11836
35°	51850	12322	10221
40°	51069	11462	5132
45°	49682	10656	19
50°	48298	5061	0
55°	46938	167	0
60°	44636	123	0
65°	41626	52	0
70°	37633	26	0
75°	32039	28	22
80°	22967	30	24
85°	11101	33	25



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	7.8
10°-20°	602.7	16.8
20°-30°	719.0	20.0
30°-40°	765.0	21.3
40°-50°	558.9	15.5
50°-60°	357.0	9.9
60°-70°	214.9	6.0
70°-80°	83.8	2.3
80°-90°	17.0	0.5
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°	1601.3	44.5
0°-40°	2366.3	65.8
0°-60°	3282.3	91.2
0°-90°	3597.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3597.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3388	3388	3388	3388	3388	
5°	3384	3219	3005	2951	2946	322
15°	3276	2795	1970	1536	1499	923
25°	3056	1948	1169	1064	1056	1406
35°	2713	1287	950	950	883	1697
45°	2271	833	812	4	2	1754
55°	1770	657	12	2	0	1576
65°	1190	268	4	2	0	1177
75°	595	14	2	2	2	628
85°	89	2	2	2	2	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3387.7	3387.7	3387.7	3387.7	3387.7
2.5°	3394.7	3372.0	3246.8	3194.7	3144.2
5°	3384.2	3219.0	3005.1	2951.2	2946.0
7.5°	3368.6	3064.2	2883.4	2573.8	2443.4
10°	3344.2	2963.4	2500.8	2239.9	2142.5
12.5°	3309.4	2813.8	2085.1	1935.6	1878.2
15°	3276.4	2794.7	1970.4	1535.6	1499.1
17.5°	3213.8	2405.1	1627.8	1443.4	1401.7
20°	3172.1	2227.7	1497.3	1252.1	1140.8
22.5°	3116.4	2123.4	1377.3	1139.1	1095.6
25°	3055.5	1947.8	1168.7	1064.3	1055.6
27.5°	2977.3	1713.0	1046.9	1036.5	1033.0
30°	2895.5	1453.9	1012.1	1008.7	1003.4
32.5°	2806.8	1351.3	980.8	980.8	975.6
35°	2712.9	1286.9	949.5	949.5	883.4
37.5°	2612.1	1205.2	918.2	918.2	664.3
40°	2512.9	1033.0	881.7	612.2	448.7
42.5°	2398.2	892.1	850.4	427.8	3.5
45°	2271.2	833.0	812.1	3.5	1.7
47.5°	2151.2	791.3	553.0	1.7	0.0
50°	2022.5	746.1	379.1	1.7	0.0
52.5°	1900.8	704.3	17.4	1.7	0.0
55°	1770.4	657.4	12.2	1.7	0.0
57.5°	1622.5	612.2	10.4	1.7	0.0
60°	1485.2	563.5	8.7	1.7	0.0
62.5°	1333.9	478.2	5.2	1.7	0.0
65°	1189.5	267.8	3.5	1.7	0.0
67.5°	1046.9	43.5	3.5	1.7	0.0
70°	890.4	29.6	1.7	1.7	0.0
72.5°	746.1	22.6	1.7	1.7	1.7
75°	594.8	13.9	1.7	1.7	1.7
77.5°	445.2	8.7	1.7	1.7	1.7
80°	306.1	5.2	1.7	1.7	1.7
82.5°	184.3	1.7	1.7	1.7	1.7
85°	88.7	1.7	1.7	1.7	1.7
87.5°	27.8	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)