

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: P218516

Luminaire Tested: **8TSNLED-LD5-160HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218516
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: 8TSNLED-LD5-160HL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14745.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

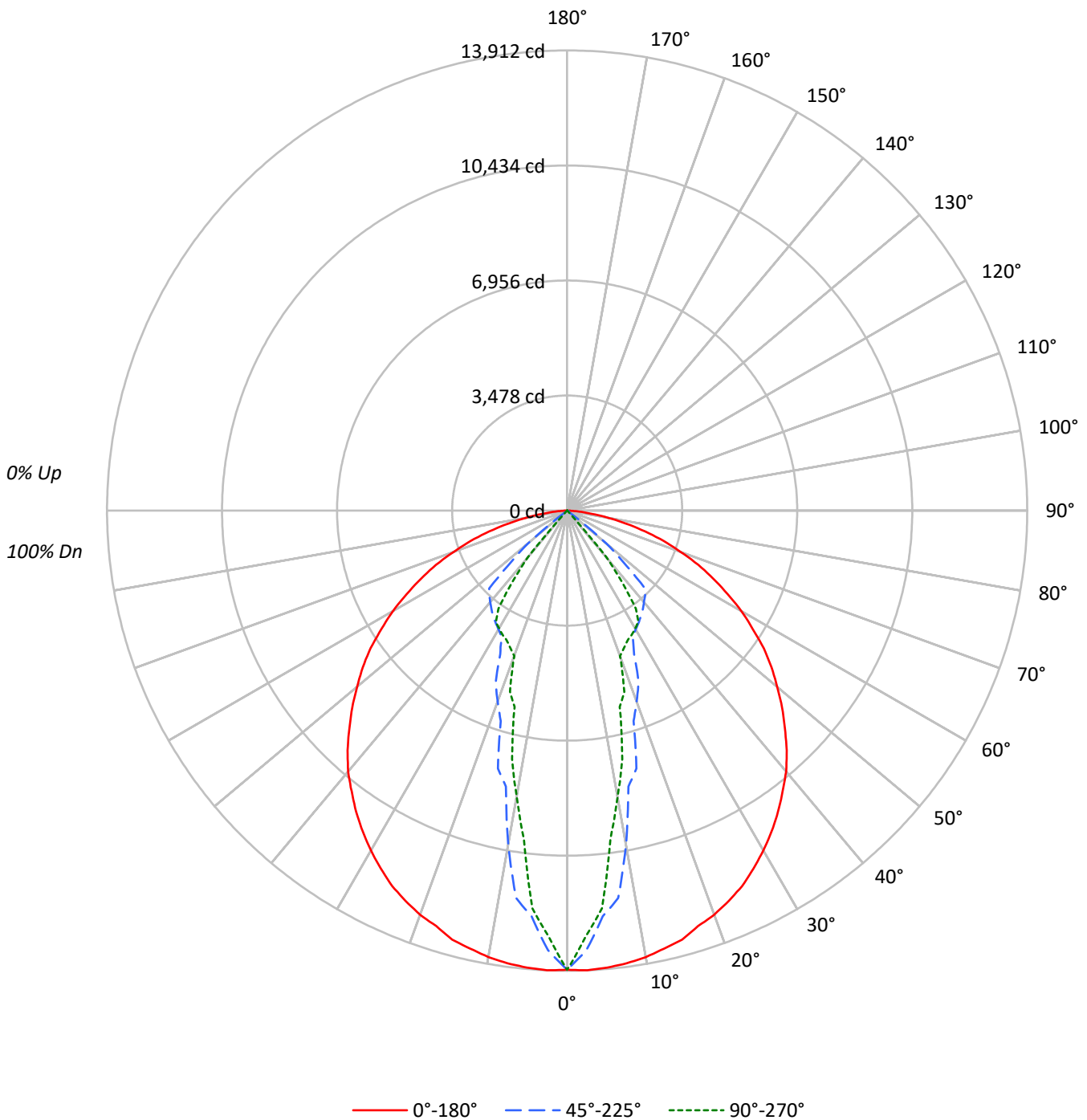
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	92	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	44	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°	111854	111854	111854
5°	111962	93684	89786
10°	111711	74376	61065
15°	111372	56435	40414
20°	110615	41664	29388
25°	110243	31853	26227
30°	109079	27237	24254
35°	107775	25423	20944
40°	106447	23667	10515
45°	103884	22024	40
50°	101369	10468	0
55°	98961	345	0
60°	94652	255	0
65°	88951	107	0
70°	81295	56	0
75°	70390	60	47
80°	52036	65	49
85°	27129	71	53



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1145.8	7.8
10°-20°	2469.9	16.8
20°-30°	2946.6	20.0
30°-40°	3135.2	21.3
40°-50°	2290.6	15.5
50°-60°	1463.1	9.9
60°-70°	880.9	6.0
70°-80°	343.3	2.3
80°-90°	69.6	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°	6562.2	44.5
0°-40°	9697.4	65.8
0°-60°	13451.2	91.2
0°-90°	14745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13883	13883	13883	13883	13883	
5°	13869	13192	12315	12094	12073	###
15°	13427	11453	8075	6293	6143	3782
25°	12522	7982	4789	4362	4326	5762
35°	11118	5274	3891	3891	3620	6955
45°	9308	3414	3328	14	7	7190
55°	7255	2694	50	7	0	6459
65°	4875	1098	14	7	0	4824
75°	2437	57	7	7	7	2575
85°	364	7	7	7	7	506
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13883.2	13883.2	13883.2	13883.2	13883.2
2.5°	13911.7	13819.0	13305.9	13092.1	12885.4
5°	13868.9	13191.8	12315.2	12094.3	12072.9
7.5°	13804.8	12557.6	11816.4	10547.8	10013.3
10°	13705.0	12144.2	10248.4	9179.4	8780.3
12.5°	13562.4	11531.3	8545.1	7932.2	7697.0
15°	13427.0	11452.9	8074.7	6293.0	6143.4
17.5°	13170.5	9856.5	6670.8	5915.3	5744.3
20°	12999.4	9129.5	6136.2	5131.3	4675.2
22.5°	12771.4	8701.9	5644.5	4668.1	4489.9
25°	12521.9	7982.1	4789.3	4361.6	4326.0
27.5°	12201.2	7020.0	4290.4	4247.6	4233.4
30°	11866.2	5958.1	4147.8	4133.6	4112.2
32.5°	11502.8	5537.6	4019.6	4019.6	3998.2
35°	11117.9	5273.9	3891.3	3891.3	3620.5
37.5°	10704.6	4938.9	3763.0	3763.0	2722.5
40°	10298.3	4233.4	3613.3	2508.7	1838.7
42.5°	9828.0	3656.1	3485.0	1753.2	14.3
45°	9307.7	3413.8	3328.3	14.3	7.1
47.5°	8815.9	3242.7	2266.3	7.1	0.0
50°	8288.6	3057.4	1553.7	7.1	0.0
52.5°	7789.7	2886.4	71.3	7.1	0.0
55°	7255.2	2694.0	49.9	7.1	0.0
57.5°	6649.4	2508.7	42.8	7.1	0.0
60°	6086.4	2309.1	35.6	7.1	0.0
62.5°	5466.3	1959.9	21.4	7.1	0.0
65°	4874.8	1097.5	14.3	7.1	0.0
67.5°	4290.4	178.2	14.3	7.1	0.0
70°	3649.0	121.2	7.1	7.1	0.0
72.5°	3057.4	92.6	7.1	7.1	7.1
75°	2437.4	57.0	7.1	7.1	7.1
77.5°	1824.5	35.6	7.1	7.1	7.1
80°	1254.3	21.4	7.1	7.1	7.1
82.5°	755.4	7.1	7.1	7.1	7.1
85°	363.5	7.1	7.1	7.1	7.1
87.5°	114.0	7.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)