

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-LD5-130HL-SLC-UNV-L840-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-LD5-130HL-SLC-UNV-L840-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

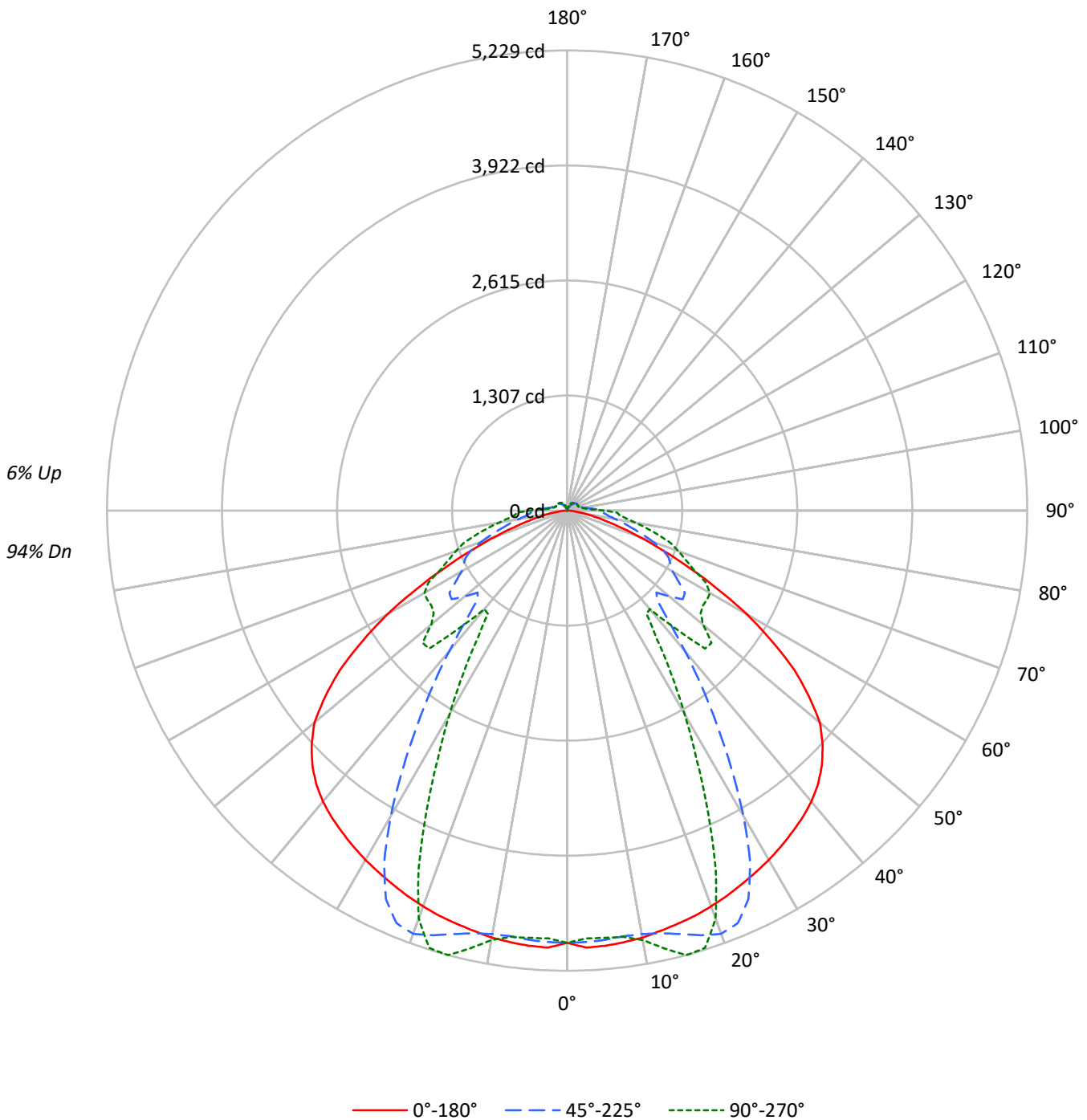
Lumens per Lamp: N/A
Luminaire Lumens: 12612.0 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 86
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	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°	19838	19838	19838
5°	20107	19392	19135
10°	20160	19114	19069
15°	20244	19401	19875
20°	20462	19996	18656
25°	20749	19234	14365
30°	21194	16125	10218
35°	21760	12224	6919
40°	22472	8896	5858
45°	23038	6460	9210
50°	23136	7163	8741
55°	21701	8254	8632
60°	18571	7565	9175
65°	14054	7644	8392
70°	9947	6975	7812
75°	6604	5862	7009
80°	4320	5041	5835
85°	2478	4820	5237



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.1	3.7
10°-20°	1410.6	11.2
20°-30°	2049.1	16.2
30°-40°	1957.8	15.5
40°-50°	1790.9	14.2
50°-60°	1653.6	13.1
60°-70°	1313.5	10.4
70°-80°	810.7	6.4
80°-90°	441.5	3.5
90°-100°	223.1	1.8
100°-110°	140.2	1.1
110°-120°	118.8	0.9
120°-130°	97.0	0.8
130°-140°	69.6	0.6
140°-150°	42.9	0.3
150°-160°	20.4	0.2
160°-170°	5.3	0.0
170°-180°	0.0	0.0
0°-30°	3926.8	31.1
0°-40°	5884.6	46.7
0°-60°	9329.1	74.0
0°-90°	11894.8	94.3
90°-120°	482.1	3.8
90°-150°	691.6	5.5
90°-180°	717.0	5.7
0°-180°	12612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4910	4910	4910	4910	4910	
5°	4964	4888	4897	4871	4873	472
15°	4860	4794	4982	5166	5229	1375
25°	4688	4779	4871	4123	3786	2167
35°	4460	4388	2958	2036	1771	2797
45°	4095	2856	1443	1841	2217	3147
55°	3149	1465	1634	1758	1882	2774
65°	1519	950	1274	1548	1584	1536
75°	448	506	763	1011	1078	508
85°	63	215	432	589	598	80
90°	2	161	387	459	424	3
95°	0	150	267	237	224	0
105°	0	135	165	150	148	0
115°	0	111	159	141	135	1
125°	2	89	141	137	130	2
135°	2	63	113	124	120	2
145°	2	39	78	100	106	1
155°	4	24	48	63	76	2
165°	4	13	24	30	41	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4909.7	4909.7	4909.7	4909.7	4909.7
2.5°	4970.6	4898.9	4907.6	4892.3	4866.3
5°	4964.1	4888.0	4896.7	4870.6	4872.8
7.5°	4946.7	4868.4	4879.3	4875.0	4885.8
10°	4927.1	4844.5	4885.8	4922.8	4955.4
12.5°	4892.3	4818.4	4918.4	5027.1	5094.5
15°	4859.7	4794.5	4981.5	5166.2	5229.2
17.5°	4827.1	4785.8	5059.7	5220.5	5211.8
20°	4785.8	4781.5	5118.4	5064.0	4931.5
22.5°	4740.2	4783.7	5072.7	4675.0	4414.2
25°	4688.0	4779.3	4870.6	4123.0	3786.1
27.5°	4635.9	4759.8	4503.3	3518.7	3186.2
30°	4583.7	4707.6	4007.8	2966.7	2664.6
32.5°	4522.9	4594.6	3468.8	2477.7	2199.5
35°	4459.8	4388.1	2958.0	2036.5	1771.3
37.5°	4394.6	4090.4	2499.4	1649.6	1480.1
40°	4316.4	3716.5	2077.8	1414.9	1460.5
42.5°	4218.6	3294.9	1706.1	1484.4	1801.8
45°	4094.7	2855.9	1443.1	1840.9	2216.9
47.5°	3938.2	2434.2	1377.9	2108.2	2225.6
50°	3749.1	2047.4	1514.9	2021.3	2012.6
52.5°	3462.2	1725.7	1654.0	1843.1	1912.6
55°	3149.3	1464.9	1634.4	1758.3	1882.2
57.5°	2753.7	1288.8	1499.7	1740.9	1884.3
60°	2360.3	1171.5	1384.5	1738.7	1873.5
62.5°	1925.6	1065.0	1325.8	1697.4	1777.8
65°	1519.2	949.8	1273.6	1547.5	1584.4
67.5°	1164.9	832.4	1182.3	1380.1	1454.0
70°	878.1	717.2	1038.9	1251.9	1343.2
72.5°	632.5	608.6	891.1	1138.9	1234.5
75°	447.7	506.4	762.9	1010.6	1078.0
77.5°	308.6	412.9	654.2	869.4	923.7
80°	202.1	330.4	556.4	747.7	784.6
82.5°	121.7	265.2	482.5	654.2	673.8
85°	63.0	215.2	432.5	589.0	597.7
87.5°	19.6	180.4	404.3	558.6	569.4
90°	2.2	160.8	386.9	458.6	423.8
92.5°	0.0	152.1	334.7	313.0	280.4
95°	0.0	150.0	267.3	236.9	223.9
97.5°	0.0	145.6	219.5	197.8	191.3
100°	0.0	141.3	189.1	173.9	171.7
102.5°	0.0	139.1	171.7	158.7	156.5
105°	0.0	134.8	165.2	150.0	147.8
107.5°	0.0	128.2	160.8	145.6	141.3
110°	0.0	121.7	160.8	143.4	136.9



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	115.2	160.8	141.3	134.8
115°	0.0	110.8	158.7	141.3	134.8
117.5°	2.2	106.5	156.5	141.3	134.8
120°	0.0	102.2	152.1	141.3	132.6
122.5°	2.2	95.6	147.8	139.1	132.6
125°	2.2	89.1	141.3	136.9	130.4
127.5°	2.2	82.6	134.8	132.6	126.1
130°	2.2	76.1	128.2	130.4	123.9
132.5°	2.2	69.5	119.5	126.1	121.7
135°	2.2	63.0	113.0	123.9	119.5
137.5°	2.2	56.5	104.3	117.4	117.4
140°	2.2	50.0	95.6	113.0	115.2
142.5°	2.2	45.6	86.9	108.7	110.8
145°	2.2	39.1	78.2	100.0	106.5
147.5°	2.2	34.8	69.5	91.3	100.0
150°	2.2	30.4	60.9	82.6	91.3
152.5°	2.2	26.1	54.3	71.7	84.8
155°	4.3	23.9	47.8	63.0	76.1
157.5°	4.3	19.6	39.1	54.3	65.2
160°	4.3	17.4	34.8	45.6	58.7
162.5°	4.3	15.2	28.3	39.1	50.0
165°	4.3	13.0	23.9	30.4	41.3
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)