

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: **2SNLED-LD5-30HL-SLW-UNV-L940-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-30HL-SLW-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

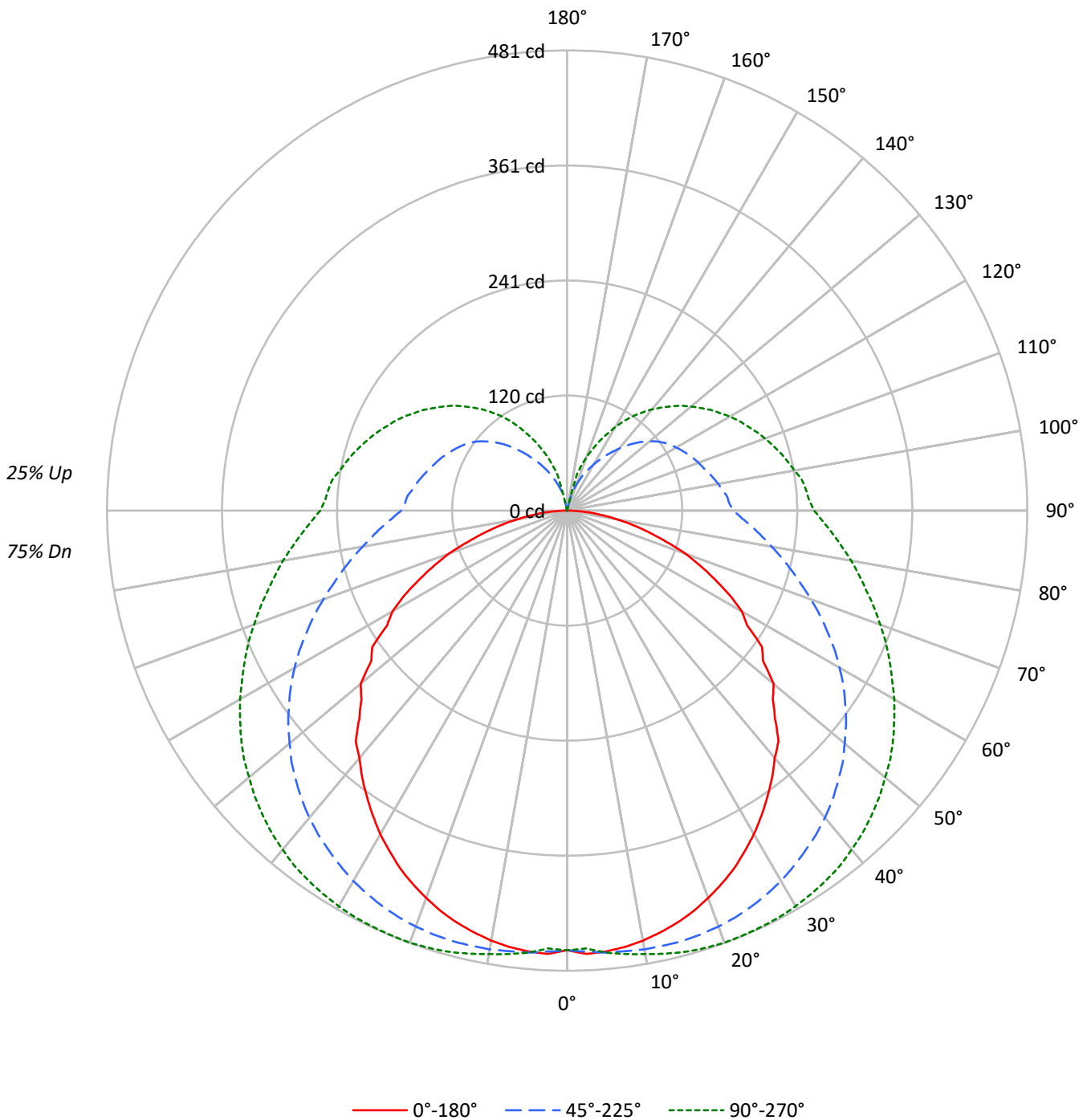
Lumens per Lamp: N/A
Luminaire Lumens: 2646.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 27
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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7426	7426	7426
5°	7464	7326	7285
10°	7408	7247	7245
15°	7336	7195	7259
20°	7246	7151	7272
25°	7155	7112	7285
30°	7034	7079	7324
35°	6900	7037	7373
40°	6768	7019	7422
45°	6609	6988	7482
50°	6592	6955	7540
55°	6434	6936	7631
60°	6148	6920	7733
65°	5746	6902	7877
70°	5291	6922	8100
75°	4532	7043	8424
80°	3676	7328	8972
85°	2488	7926	9765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.7
10°-20°	130.9	4.9
20°-30°	208.0	7.9
30°-40°	267.0	10.1
40°-50°	301.5	11.4
50°-60°	307.7	11.6
60°-70°	285.0	10.8
70°-80°	241.3	9.1
80°-90°	192.6	7.3
90°-100°	163.6	6.2
100°-110°	145.7	5.5
110°-120°	124.1	4.7
120°-130°	98.6	3.7
130°-140°	69.9	2.6
140°-150°	41.8	1.6
150°-160°	19.5	0.7
160°-170°	4.6	0.2
170°-180°	0.0	0.0
0°-30°	383.1	14.5
0°-40°	650.1	24.6
0°-60°	1259.3	47.6
0°-90°	1978.2	74.8
90°-120°	433.4	16.4
90°-150°	643.7	24.3
90°-180°	668.0	25.2
0°-180°	2646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	463	459	464	464	464	44
15°	446	450	466	474	478	126
25°	413	426	456	472	480	190
35°	365	392	434	461	472	228
45°	307	349	400	435	450	239
55°	249	290	355	399	416	218
65°	170	227	300	352	372	169
75°	90	159	243	303	324	95
85°	23	102	194	257	279	25
90°	1	83	174	236	258	2
95°	0	78	168	229	251	0
105°	0	72	153	211	231	0
115°	0	67	139	190	208	0
125°	0	58	124	167	183	0
135°	0	43	100	141	154	0
145°	0	28	70	106	121	0
155°	1	17	43	65	80	0
165°	1	9	19	27	38	0
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°	459.5	459.5	459.5	459.5	459.5
2.5°	463.8	458.9	461.4	460.7	458.2
5°	462.6	458.9	463.8	463.8	463.8
7.5°	460.1	457.6	464.5	466.9	467.6
10°	456.4	456.4	465.7	469.4	470.7
12.5°	451.4	453.3	465.7	471.3	474.4
15°	445.8	449.5	465.7	474.4	477.5
17.5°	439.0	445.2	464.5	475.0	479.4
20°	430.9	440.2	462.6	475.0	480.6
22.5°	422.2	434.0	460.1	473.8	480.6
25°	412.9	426.5	456.4	472.5	480.0
27.5°	401.7	419.1	452.0	470.7	479.4
30°	390.5	410.4	447.1	468.2	477.5
32.5°	378.0	401.0	440.8	464.5	475.0
35°	365.0	391.7	434.0	460.7	471.9
37.5°	351.9	380.5	427.2	455.8	468.2
40°	337.6	369.3	419.1	449.5	462.6
42.5°	327.0	357.5	410.4	443.3	457.0
45°	307.2	348.8	400.4	435.2	450.2
47.5°	291.6	332.0	390.5	427.2	442.7
50°	281.7	318.3	378.7	417.8	434.0
52.5°	258.0	309.0	367.5	408.5	425.9
55°	248.7	290.4	355.0	398.6	416.0
57.5°	223.2	277.3	342.6	387.4	405.4
60°	210.8	259.3	328.9	376.2	394.8
62.5°	191.5	243.7	315.2	363.7	383.0
65°	170.4	226.9	300.3	351.9	371.8
67.5°	150.5	210.2	286.0	339.5	360.6
70°	131.2	192.7	271.1	327.0	348.2
72.5°	108.8	175.3	256.8	315.2	336.4
75°	89.5	158.6	243.1	302.8	323.9
77.5°	70.9	142.4	230.1	291.6	312.7
80°	53.5	126.8	217.0	279.8	301.6
82.5°	37.3	113.8	205.2	268.6	289.7
85°	23.0	102.0	194.0	256.8	278.6
87.5°	10.6	91.4	182.8	245.6	268.0
90°	1.2	83.3	173.5	236.3	258.0
92.5°	0.6	80.8	169.7	231.9	253.1
95°	0.0	78.3	167.9	229.4	250.6
97.5°	0.0	75.9	163.5	225.7	247.5
100°	0.0	74.6	160.4	220.1	241.2
102.5°	0.0	72.7	156.7	215.1	236.3
105°	0.0	72.1	153.0	210.8	231.3
107.5°	0.0	70.9	149.2	205.2	225.7
110°	0.0	69.6	146.1	200.2	220.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	68.4	143.0	195.2	214.5
115°	0.0	67.2	139.3	189.6	208.3
117.5°	0.0	65.3	135.5	184.0	202.7
120°	0.0	62.8	131.8	179.1	196.5
122.5°	0.0	60.3	128.1	172.9	189.6
125°	0.0	57.8	123.7	167.3	183.4
127.5°	0.0	54.1	118.8	161.0	176.0
130°	0.0	50.4	112.5	154.8	169.1
132.5°	0.6	46.6	106.3	148.0	162.3
135°	0.0	42.9	99.5	141.1	154.2
137.5°	0.0	39.8	92.0	133.7	146.1
140°	0.0	36.1	84.6	125.0	138.0
142.5°	0.0	31.7	77.1	115.6	129.3
145°	0.0	28.0	69.6	105.7	120.6
147.5°	0.6	24.9	62.8	95.1	111.3
150°	0.6	22.4	56.0	84.6	100.7
152.5°	0.6	19.9	49.1	74.6	90.2
155°	0.6	17.4	42.9	64.7	80.2
157.5°	0.6	14.9	36.1	54.7	69.6
160°	0.6	13.1	29.8	46.0	59.7
162.5°	0.6	11.2	24.2	36.1	49.1
165°	0.6	9.3	19.3	26.7	37.9
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)