

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-L935-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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

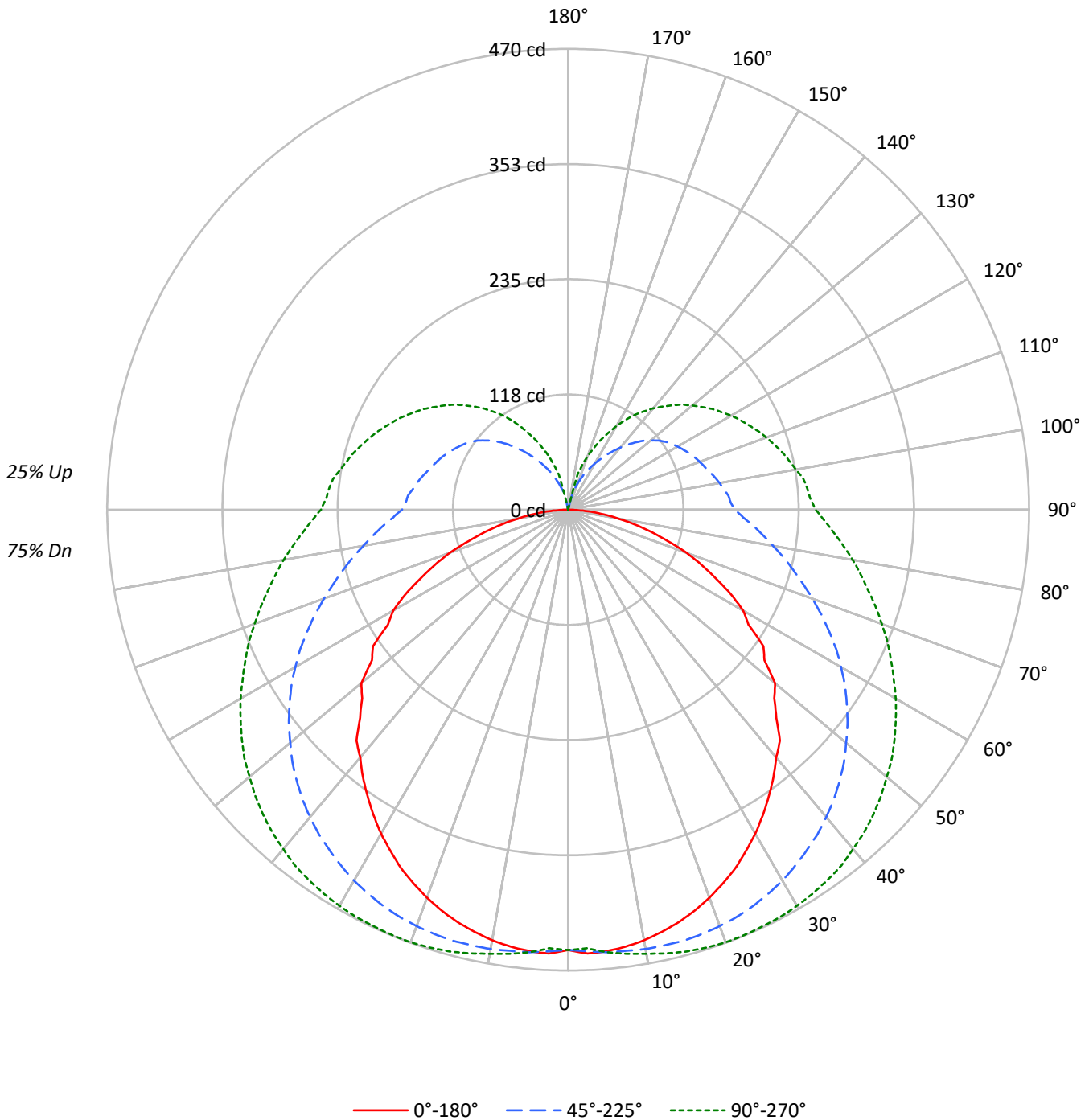
Lumens per Lamp: N/A
Luminaire Lumens: 2585.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

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°	7255	7255	7255
5°	7292	7157	7117
10°	7238	7081	7077
15°	7167	7030	7092
20°	7080	6985	7104
25°	6988	6948	7116
30°	6872	6914	7155
35°	6741	6875	7203
40°	6611	6856	7250
45°	6456	6828	7309
50°	6440	6794	7366
55°	6286	6776	7455
60°	6005	6760	7555
65°	5611	6743	7695
70°	5170	6761	7914
75°	4431	6880	8232
80°	3587	7160	8763
85°	2434	7742	9537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	1.7
10°-20°	127.9	4.9
20°-30°	203.2	7.9
30°-40°	260.9	10.1
40°-50°	294.6	11.4
50°-60°	300.6	11.6
60°-70°	278.4	10.8
70°-80°	235.7	9.1
80°-90°	188.2	7.3
90°-100°	159.8	6.2
100°-110°	142.4	5.5
110°-120°	121.3	4.7
120°-130°	96.3	3.7
130°-140°	68.3	2.6
140°-150°	40.8	1.6
150°-160°	19.0	0.7
160°-170°	4.5	0.2
170°-180°	0.0	0.0
0°-30°	374.3	14.5
0°-40°	635.1	24.6
0°-60°	1230.3	47.6
0°-90°	1932.6	74.8
90°-120°	423.4	16.4
90°-150°	628.8	24.3
90°-180°	652.0	25.2
0°-180°	2585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	452	448	453	453	453	43
15°	436	439	455	464	466	123
25°	403	417	446	462	469	186
35°	357	383	424	450	461	223
45°	300	341	391	425	440	233
55°	243	284	347	389	406	213
65°	166	222	293	344	363	165
75°	88	155	238	296	316	93
85°	22	100	190	251	272	25
90°	1	81	170	231	252	2
95°	0	76	164	224	245	0
105°	0	70	149	206	226	0
115°	0	66	136	185	204	0
125°	0	56	121	163	179	0
135°	0	42	97	138	151	0
145°	0	27	68	103	118	0
155°	1	17	42	63	78	0
165°	1	9	19	26	37	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°	448.9	448.9	448.9	448.9	448.9
2.5°	453.1	448.3	450.7	450.1	447.7
5°	451.9	448.3	453.1	453.1	453.1
7.5°	449.5	447.1	453.8	456.2	456.8
10°	445.9	445.9	455.0	458.6	459.8
12.5°	441.0	442.8	455.0	460.4	463.5
15°	435.5	439.2	455.0	463.5	466.5
17.5°	428.8	434.9	453.8	464.1	468.3
20°	421.0	430.1	451.9	464.1	469.5
22.5°	412.4	424.0	449.5	462.9	469.5
25°	403.3	416.7	445.9	461.6	468.9
27.5°	392.4	409.4	441.6	459.8	468.3
30°	381.5	400.9	436.7	457.4	466.5
32.5°	369.3	391.8	430.7	453.8	464.1
35°	356.6	382.7	424.0	450.1	461.0
37.5°	343.8	371.7	417.3	445.2	457.4
40°	329.8	360.8	409.4	439.2	451.9
42.5°	319.5	349.3	400.9	433.1	446.5
45°	300.1	340.8	391.2	425.2	439.8
47.5°	284.9	324.4	381.5	417.3	432.5
50°	275.2	311.0	369.9	408.2	424.0
52.5°	252.1	301.9	359.0	399.1	416.1
55°	243.0	283.7	346.8	389.4	406.4
57.5°	218.1	270.9	334.7	378.4	396.0
60°	205.9	253.3	321.3	367.5	385.7
62.5°	187.1	238.1	308.0	355.3	374.2
65°	166.4	221.7	293.4	343.8	363.2
67.5°	147.0	205.3	279.4	331.7	352.3
70°	128.2	188.3	264.8	319.5	340.2
72.5°	106.3	171.3	250.9	308.0	328.6
75°	87.5	154.9	237.5	295.8	316.5
77.5°	69.2	139.1	224.8	284.9	305.5
80°	52.2	123.9	212.0	273.3	294.6
82.5°	36.4	111.2	200.5	262.4	283.1
85°	22.5	99.6	189.5	250.9	272.1
87.5°	10.3	89.3	178.6	239.9	261.8
90°	1.2	81.4	169.5	230.8	252.1
92.5°	0.6	79.0	165.8	226.6	247.2
95°	0.0	76.5	164.0	224.1	244.8
97.5°	0.0	74.1	159.8	220.5	241.8
100°	0.0	72.9	156.7	215.0	235.7
102.5°	0.0	71.1	153.1	210.2	230.8
105°	0.0	70.5	149.4	205.9	226.0
107.5°	0.0	69.2	145.8	200.5	220.5
110°	0.0	68.0	142.7	195.6	215.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	66.8	139.7	190.7	209.6
115°	0.0	65.6	136.1	185.3	203.5
117.5°	0.0	63.8	132.4	179.8	198.0
120°	0.0	61.4	128.8	174.9	191.9
122.5°	0.0	58.9	125.1	168.9	185.3
125°	0.0	56.5	120.9	163.4	179.2
127.5°	0.0	52.8	116.0	157.3	171.9
130°	0.0	49.2	109.9	151.3	165.2
132.5°	0.6	45.6	103.9	144.6	158.5
135°	0.0	41.9	97.2	137.9	150.6
137.5°	0.0	38.9	89.9	130.6	142.7
140°	0.0	35.2	82.6	122.1	134.9
142.5°	0.0	31.0	75.3	113.0	126.3
145°	0.0	27.3	68.0	103.3	117.8
147.5°	0.6	24.3	61.4	92.9	108.7
150°	0.6	21.9	54.7	82.6	98.4
152.5°	0.6	19.4	48.0	72.9	88.1
155°	0.6	17.0	41.9	63.2	78.4
157.5°	0.6	14.6	35.2	53.5	68.0
160°	0.6	12.8	29.2	45.0	58.3
162.5°	0.6	10.9	23.7	35.2	48.0
165°	0.6	9.1	18.8	26.1	37.1
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)