

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: P284495

Luminaire Tested: **2SNLED-LD5-30HL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
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-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3077.0 lumens
Efficiency: N/A
Efficacy: 114.0 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

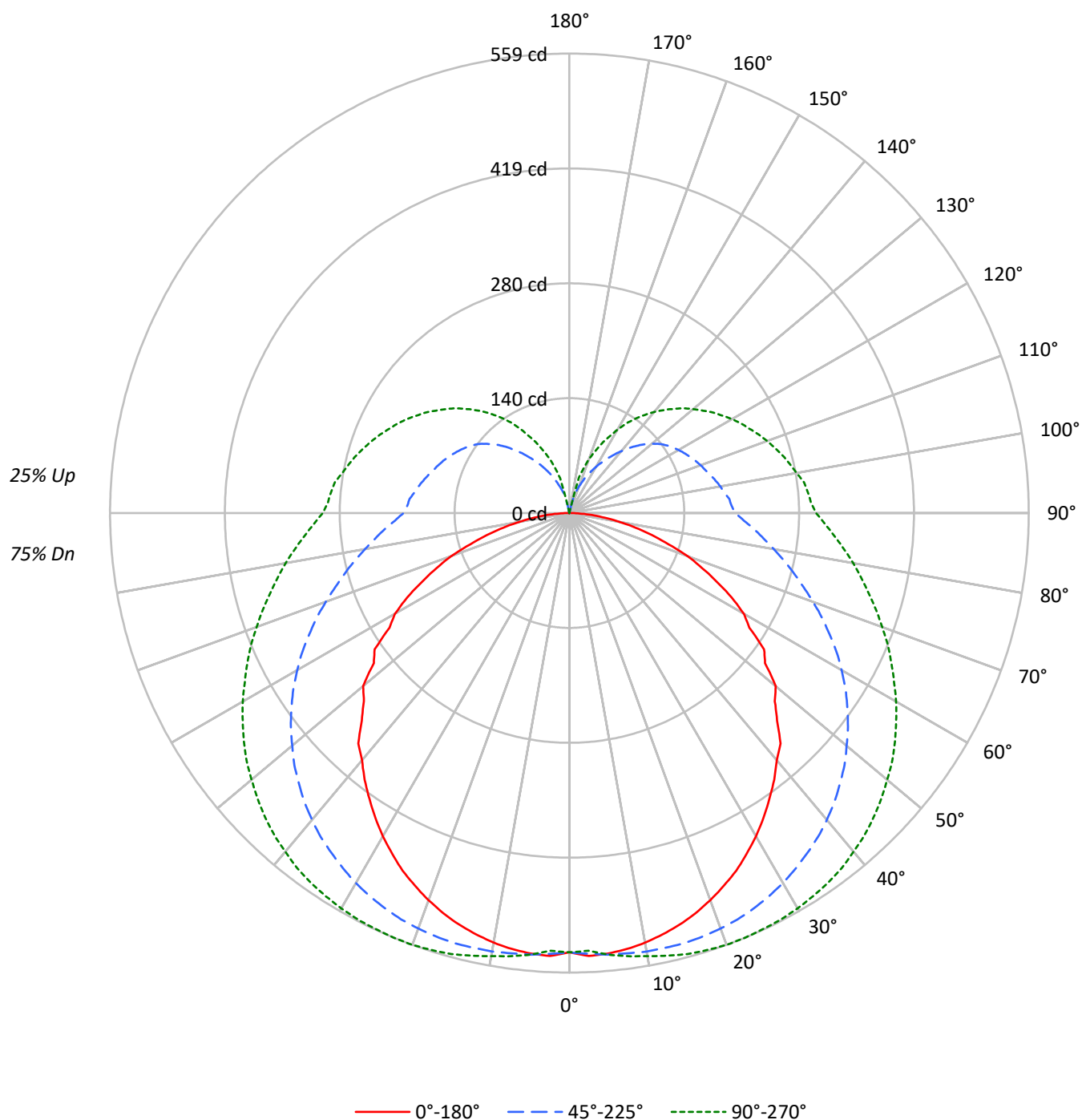
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	8637	8637	8637
5°	8679	8519	8471
10°	8615	8428	8424
15°	8531	8368	8442
20°	8427	8314	8459
25°	8321	8270	8471
30°	8178	8230	8517
35°	8022	8185	8576
40°	7870	8163	8630
45°	7686	8124	8700
50°	7666	8089	8769
55°	7481	8067	8873
60°	7149	8046	8993
65°	6677	8028	9161
70°	6154	8051	9419
75°	5276	8190	9800
80°	4274	8521	10429
85°	2888	9217	11353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	1.7
10°-20°	152.2	4.9
20°-30°	241.9	7.9
30°-40°	310.5	10.1
40°-50°	350.6	11.4
50°-60°	357.8	11.6
60°-70°	331.5	10.8
70°-80°	280.6	9.1
80°-90°	224.0	7.3
90°-100°	190.2	6.2
100°-110°	169.5	5.5
110°-120°	144.3	4.7
120°-130°	114.6	3.7
130°-140°	81.3	2.6
140°-150°	48.6	1.6
150°-160°	22.6	0.7
160°-170°	5.4	0.2
170°-180°	0.0	0.0
0°-30°	445.5	14.5
0°-40°	756.0	24.6
0°-60°	1464.4	47.6
0°-90°	2300.5	74.8
90°-120°	504.0	16.4
90°-150°	748.5	24.3
90°-180°	777.0	25.3
0°-180°	3077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	538	534	539	539	539	51
15°	518	523	542	552	555	146
25°	480	496	531	549	558	221
35°	424	456	505	536	549	266
45°	357	406	466	506	524	277
55°	289	338	413	463	484	254
65°	198	264	349	409	432	197
75°	104	184	283	352	377	111
85°	27	119	226	298	324	29
90°	1	97	202	275	300	2
95°	0	91	195	267	291	0
105°	0	84	178	245	269	0
115°	0	78	162	220	242	0
125°	0	67	144	194	213	0
135°	0	50	116	164	179	0
145°	0	33	81	123	140	0
155°	1	20	50	75	93	0
165°	1	11	22	31	44	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°	534.4	534.4	534.4	534.4	534.4
2.5°	539.3	533.6	536.6	535.8	532.9
5°	537.9	533.6	539.3	539.3	539.3
7.5°	535.0	532.1	540.1	543.0	543.8
10°	530.7	530.7	541.6	545.9	547.3
12.5°	524.9	527.0	541.6	548.1	551.6
15°	518.4	522.7	541.6	551.6	555.3
17.5°	510.4	517.6	540.1	552.4	557.4
20°	501.1	512.0	537.9	552.4	559.0
22.5°	490.9	504.8	535.0	551.0	559.0
25°	480.2	496.0	530.7	549.4	558.2
27.5°	467.1	487.4	525.6	547.3	557.4
30°	454.0	477.2	519.8	544.4	555.3
32.5°	439.6	466.3	512.6	540.1	552.4
35°	424.4	455.6	504.8	535.8	548.9
37.5°	409.2	442.5	496.8	529.9	544.4
40°	392.6	429.4	487.4	522.7	537.9
42.5°	380.3	415.8	477.2	515.5	531.5
45°	357.3	405.6	465.5	506.1	523.5
47.5°	339.1	386.1	454.0	496.8	514.7
50°	327.6	370.1	440.4	485.8	504.8
52.5°	300.1	359.4	427.3	475.1	495.2
55°	289.2	337.7	412.9	463.4	483.7
57.5°	259.5	322.5	398.4	450.5	471.4
60°	245.1	301.5	382.4	437.4	459.1
62.5°	222.6	283.5	366.6	423.0	445.4
65°	198.0	264.0	349.3	409.2	432.4
67.5°	175.0	244.5	332.7	394.7	419.3
70°	152.6	224.2	315.3	380.3	404.9
72.5°	126.4	203.9	298.5	366.6	391.2
75°	104.2	184.4	282.7	352.2	376.8
77.5°	82.3	165.7	267.5	339.1	363.7
80°	62.2	147.5	252.3	325.4	350.6
82.5°	43.3	132.3	238.6	312.4	337.0
85°	26.7	118.6	225.6	298.5	323.9
87.5°	12.3	106.3	212.5	285.6	311.6
90°	1.4	97.0	201.7	274.7	300.1
92.5°	0.8	94.0	197.5	269.6	294.2
95°	0.0	91.1	195.3	266.7	291.3
97.5°	0.0	88.2	190.2	262.4	287.8
100°	0.0	86.8	186.5	256.0	280.6
102.5°	0.0	84.7	182.2	250.1	274.7
105°	0.0	83.9	177.9	245.1	269.1
107.5°	0.0	82.3	173.5	238.6	262.4
110°	0.0	81.0	169.9	232.8	256.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	79.6	166.2	227.1	249.4
115°	0.0	78.0	161.9	220.5	242.1
117.5°	0.0	75.9	157.7	214.0	235.7
120°	0.0	73.0	153.4	208.2	228.5
122.5°	0.0	70.0	148.9	201.0	220.5
125°	0.0	67.3	143.8	194.5	213.3
127.5°	0.0	62.8	138.1	187.3	204.7
130°	0.0	58.5	130.9	180.1	196.7
132.5°	0.8	54.2	123.7	172.1	188.7
135°	0.0	49.9	115.7	164.1	179.3
137.5°	0.0	46.2	106.9	155.5	169.9
140°	0.0	41.9	98.3	145.4	160.6
142.5°	0.0	36.9	89.8	134.4	150.4
145°	0.0	32.6	81.0	122.9	140.3
147.5°	0.8	28.9	73.0	110.6	129.4
150°	0.8	26.0	65.2	98.3	117.1
152.5°	0.8	23.2	57.2	86.8	104.8
155°	0.8	20.3	49.9	75.1	93.3
157.5°	0.8	17.4	41.9	63.6	81.0
160°	0.8	15.2	34.7	53.5	69.5
162.5°	0.8	13.1	28.3	41.9	57.2
165°	0.8	10.9	22.4	31.0	44.1
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)