

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: P284492

Luminaire Tested: **2SNLED-LD5-16SL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284492
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-LD5-16SL-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: 1604.0 lumens
Efficiency: N/A
Efficacy: 114.6 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

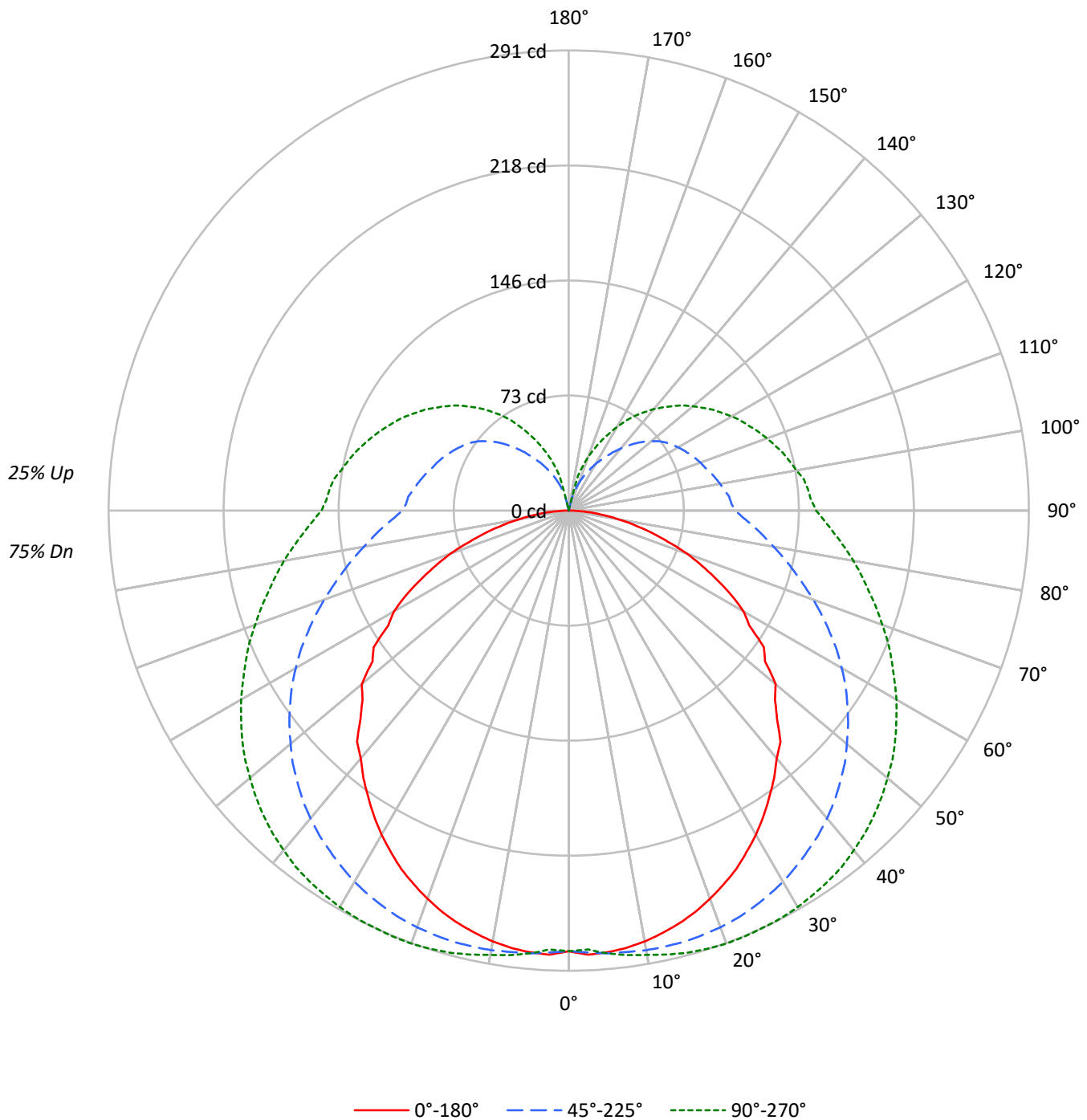
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	113	113	113	113		107	107	107	107		97	97	97		88	88	88		79	79	79
1	100	94	89	84		95	89	84	80		80	76	73		72	69	66		64	62	60
2	90	80	72	66		85	76	69	63		68	63	58		61	57	53		55	51	48
3	81	69	60	53		76	66	58	51		59	53	47		53	48	43		47	43	39
4	74	61	51	44		69	58	49	43		52	45	39		47	41	36		42	37	33
5	67	54	44	37		63	51	43	36		46	39	33		42	35	31		37	32	28
6	62	48	39	32		58	46	37	31		41	34	29		37	31	27		34	28	24
7	57	43	34	28		54	41	33	27		37	30	25		34	28	23		30	25	21
8	53	39	31	25		50	37	29	24		34	27	22		31	25	21		28	23	19
9	49	36	27	22		47	34	26	21		31	24	20		28	23	18		26	21	17
10	46	33	25	20		44	31	24	19		29	22	18		26	21	16		24	19	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4503	4503	4503
5°	4524	4440	4415
10°	4492	4393	4391
15°	4447	4362	4401
20°	4393	4334	4409
25°	4337	4312	4416
30°	4264	4291	4440
35°	4181	4266	4470
40°	4102	4255	4499
45°	4006	4236	4535
50°	3997	4217	4571
55°	3898	4205	4624
60°	3725	4195	4687
65°	3480	4185	4776
70°	3206	4198	4908
75°	2749	4270	5108
80°	2226	4441	5438
85°	1504	4804	5917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.7
10°-20°	79.3	4.9
20°-30°	126.1	7.9
30°-40°	161.9	10.1
40°-50°	182.8	11.4
50°-60°	186.5	11.6
60°-70°	172.8	10.8
70°-80°	146.3	9.1
80°-90°	116.8	7.3
90°-100°	99.2	6.2
100°-110°	88.3	5.5
110°-120°	75.2	4.7
120°-130°	59.8	3.7
130°-140°	42.4	2.6
140°-150°	25.3	1.6
150°-160°	11.8	0.7
160°-170°	2.8	0.2
170°-180°	0.0	0.0
0°-30°	232.2	14.5
0°-40°	394.1	24.6
0°-60°	763.4	47.6
0°-90°	1199.2	74.8
90°-120°	262.7	16.4
90°-150°	390.2	24.3
90°-180°	405.0	25.2
0°-180°	1604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	279	279	279	279	279	
5°	280	278	281	281	281	27
15°	270	272	282	288	290	76
25°	250	258	277	286	291	115
35°	221	238	263	279	286	138
45°	186	212	243	264	273	145
55°	151	176	215	242	252	132
65°	103	138	182	213	225	102
75°	54	96	147	184	196	58
85°	14	62	118	156	169	15
90°	1	51	105	143	156	1
95°	0	48	102	139	152	0
105°	0	44	93	128	140	0
115°	0	41	84	115	126	0
125°	0	35	75	101	111	0
135°	0	26	60	86	94	0
145°	0	17	42	64	73	0
155°	0	11	26	39	49	0
165°	0	6	12	16	23	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°	278.6	278.6	278.6	278.6	278.6
2.5°	281.1	278.2	279.7	279.3	277.8
5°	280.4	278.2	281.1	281.1	281.1
7.5°	278.9	277.4	281.5	283.1	283.5
10°	276.7	276.7	282.3	284.6	285.3
12.5°	273.6	274.7	282.3	285.7	287.5
15°	270.2	272.5	282.3	287.5	289.5
17.5°	266.1	269.8	281.5	287.9	290.6
20°	261.2	266.9	280.4	287.9	291.4
22.5°	255.9	263.1	278.9	287.2	291.4
25°	250.3	258.5	276.7	286.4	291.0
27.5°	243.5	254.1	274.0	285.3	290.6
30°	236.7	248.8	271.0	283.8	289.5
32.5°	229.2	243.1	267.2	281.5	287.9
35°	221.2	237.5	263.1	279.3	286.1
37.5°	213.3	230.7	259.0	276.2	283.8
40°	204.6	223.9	254.1	272.5	280.4
42.5°	198.2	216.7	248.8	268.7	277.1
45°	186.2	211.5	242.7	263.8	272.9
47.5°	176.8	201.3	236.7	259.0	268.3
50°	170.8	192.9	229.6	253.3	263.1
52.5°	156.4	187.4	222.7	247.7	258.1
55°	150.7	176.1	215.2	241.6	252.1
57.5°	135.3	168.1	207.7	234.8	245.7
60°	127.7	157.1	199.4	228.0	239.3
62.5°	116.1	147.8	191.1	220.5	232.2
65°	103.2	137.6	182.1	213.3	225.4
67.5°	91.2	127.4	173.4	205.8	218.6
70°	79.5	116.9	164.4	198.2	211.0
72.5°	65.9	106.3	155.6	191.1	203.9
75°	54.3	96.1	147.4	183.6	196.4
77.5°	42.9	86.4	139.4	176.8	189.6
80°	32.4	76.9	131.5	169.7	182.8
82.5°	22.6	69.0	124.4	162.8	175.7
85°	13.9	61.8	117.6	155.6	168.8
87.5°	6.4	55.4	110.8	148.9	162.4
90°	0.7	50.6	105.2	143.2	156.4
92.5°	0.4	49.0	102.9	140.6	153.4
95°	0.0	47.5	101.8	139.0	151.9
97.5°	0.0	46.0	99.2	136.8	150.0
100°	0.0	45.3	97.2	133.4	146.3
102.5°	0.0	44.1	95.0	130.4	143.2
105°	0.0	43.7	92.8	127.7	140.3
107.5°	0.0	42.9	90.4	124.4	136.8
110°	0.0	42.2	88.6	121.3	133.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.5	86.7	118.4	130.0
115°	0.0	40.7	84.4	114.9	126.2
117.5°	0.0	39.6	82.2	111.6	122.9
120°	0.0	38.0	79.9	108.5	119.1
122.5°	0.0	36.5	77.6	104.8	114.9
125°	0.0	35.1	75.0	101.4	111.2
127.5°	0.0	32.8	72.0	97.6	106.7
130°	0.0	30.5	68.2	93.9	102.5
132.5°	0.4	28.3	64.5	89.7	98.4
135°	0.0	26.0	60.3	85.5	93.5
137.5°	0.0	24.1	55.7	81.1	88.6
140°	0.0	21.9	51.3	75.8	83.7
142.5°	0.0	19.2	46.8	70.1	78.4
145°	0.0	17.0	42.2	64.1	73.1
147.5°	0.4	15.1	38.0	57.7	67.4
150°	0.4	13.5	34.0	51.3	61.0
152.5°	0.4	12.1	29.8	45.3	54.6
155°	0.4	10.6	26.0	39.2	48.6
157.5°	0.4	9.1	21.9	33.2	42.2
160°	0.4	7.9	18.1	27.9	36.2
162.5°	0.4	6.8	14.7	21.9	29.8
165°	0.4	5.7	11.7	16.2	23.0
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)