

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: P284737

Luminaire Tested: **4SNLED-LD5-35SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284737
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: 4SNLED-LD5-35SL-SLW-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3202.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

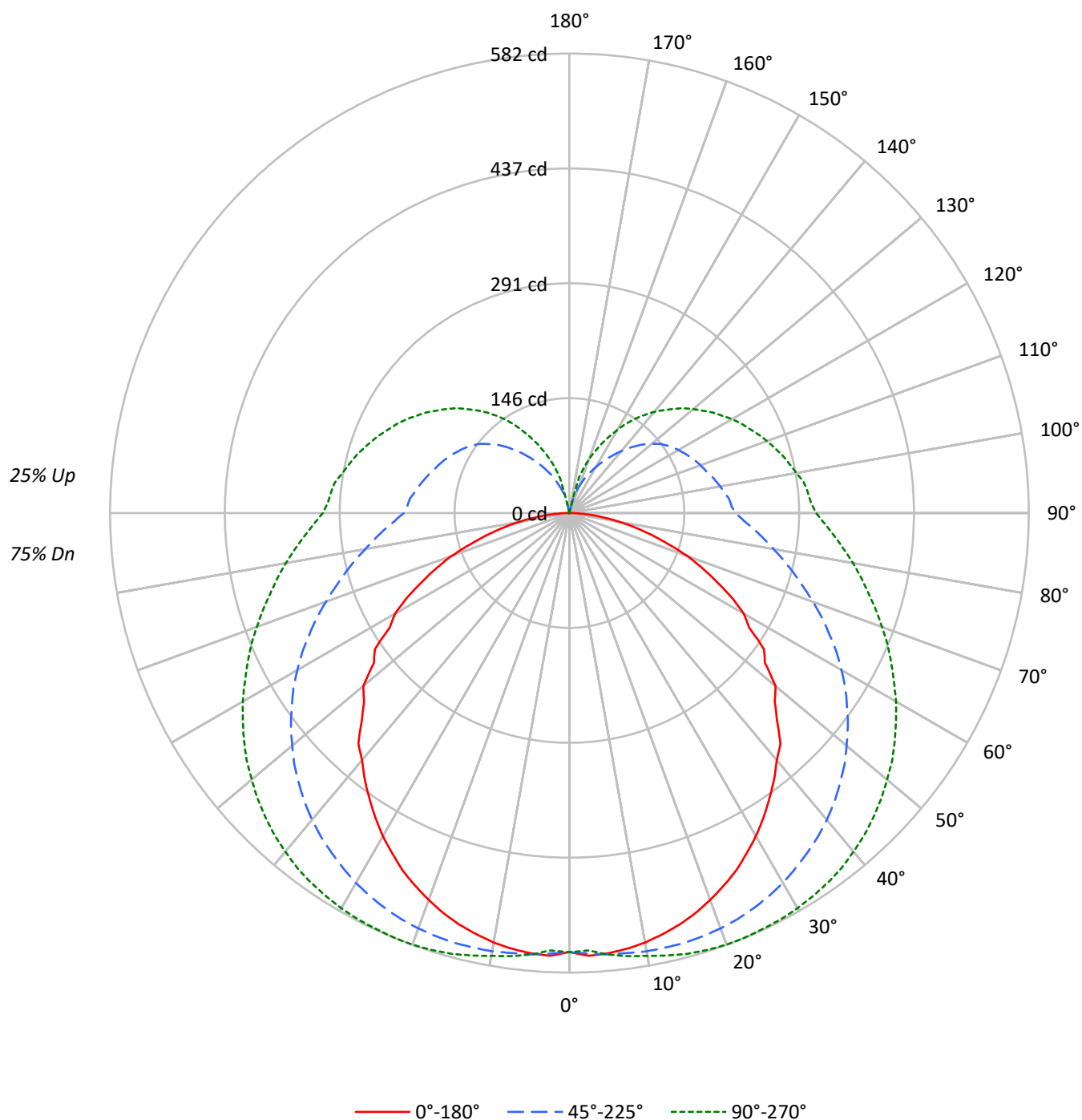
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	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°	4494	4494	4494
5°	4529	4441	4408
10°	4507	4402	4383
15°	4476	4378	4393
20°	4433	4358	4401
25°	4392	4342	4408
30°	4331	4329	4432
35°	4263	4314	4462
40°	4199	4310	4491
45°	4120	4300	4527
50°	4132	4291	4563
55°	4058	4291	4616
60°	3910	4294	4680
65°	3693	4298	4766
70°	3455	4331	4900
75°	3031	4431	5099
80°	2562	4644	5427
85°	1899	5077	5906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.7
10°-20°	158.4	4.9
20°-30°	251.8	7.9
30°-40°	323.1	10.1
40°-50°	364.9	11.4
50°-60°	372.3	11.6
60°-70°	344.9	10.8
70°-80°	292.0	9.1
80°-90°	233.1	7.3
90°-100°	197.9	6.2
100°-110°	176.3	5.5
110°-120°	150.2	4.7
120°-130°	119.3	3.7
130°-140°	84.6	2.6
140°-150°	50.5	1.6
150°-160°	23.6	0.7
160°-170°	5.6	0.2
170°-180°	0.0	0.0
0°-30°	463.6	14.5
0°-40°	786.7	24.6
0°-60°	1523.9	47.6
0°-90°	2393.9	74.8
90°-120°	524.5	16.4
90°-150°	778.9	24.3
90°-180°	808.0	25.2
0°-180°	3202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	560	555	561	561	561	53
15°	540	544	564	574	578	152
25°	500	516	552	572	581	230
35°	442	474	525	558	571	276
45°	372	422	484	527	545	289
55°	301	352	430	482	503	264
65°	206	275	363	426	450	205
75°	108	192	294	366	392	115
85°	28	123	235	311	337	30
90°	1	101	210	286	312	2
95°	0	95	203	278	303	0
105°	0	87	185	255	280	0
115°	0	81	168	229	252	0
125°	0	70	150	202	222	0
135°	0	52	120	171	187	0
145°	0	34	84	128	146	0
155°	1	21	52	78	97	0
165°	1	11	23	32	46	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°	556.1	556.1	556.1	556.1	556.1
2.5°	561.2	555.3	558.4	557.5	554.5
5°	559.8	555.3	561.2	561.2	561.2
7.5°	556.7	553.7	562.0	565.1	565.9
10°	552.3	552.3	563.6	568.1	569.5
12.5°	546.2	548.4	563.6	570.3	574.0
15°	539.5	543.9	563.6	574.0	577.9
17.5°	531.2	538.7	562.0	574.8	580.1
20°	521.4	532.8	559.8	574.8	581.7
22.5°	510.8	525.3	556.7	573.4	581.7
25°	499.7	516.1	552.3	571.8	580.9
27.5°	486.1	507.2	547.0	569.5	580.1
30°	472.5	496.6	540.9	566.5	577.9
32.5°	457.4	485.3	533.4	562.0	574.8
35°	441.6	474.1	525.3	557.5	571.2
37.5°	425.8	460.5	516.9	551.5	566.5
40°	408.5	446.9	507.2	543.9	559.8
42.5°	395.7	432.7	496.6	536.4	553.1
45°	371.8	422.1	484.5	526.7	544.8
47.5°	352.9	401.8	472.5	516.9	535.6
50°	340.9	385.2	458.3	505.6	525.3
52.5°	312.3	374.0	444.7	494.4	515.3
55°	300.9	351.5	429.6	482.2	503.3
57.5°	270.0	335.6	414.6	468.8	490.5
60°	255.0	313.7	398.0	455.2	477.8
62.5°	231.7	295.0	381.5	440.2	463.5
65°	206.1	274.7	363.4	425.8	449.9
67.5°	182.1	254.4	346.2	410.8	436.3
70°	158.8	233.3	328.1	395.7	421.3
72.5°	131.6	212.2	310.7	381.5	407.1
75°	108.4	191.9	294.2	366.5	392.1
77.5°	85.7	172.4	278.4	352.9	378.5
80°	64.8	153.5	262.5	338.7	364.9
82.5°	45.1	137.7	248.3	325.1	350.7
85°	27.8	123.4	234.7	310.7	337.0
87.5°	12.8	110.7	221.1	297.3	324.3
90°	1.4	100.9	209.9	285.9	312.3
92.5°	0.8	97.9	205.5	280.6	306.2
95°	0.0	94.8	203.2	277.6	303.1
97.5°	0.0	91.8	198.0	273.1	299.5
100°	0.0	90.4	194.1	266.4	292.0
102.5°	0.0	88.1	189.6	260.3	285.9
105°	0.0	87.3	185.2	255.0	280.0
107.5°	0.0	85.7	180.5	248.3	273.1
110°	0.0	84.3	176.8	242.2	266.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	82.8	173.0	236.3	259.5
115°	0.0	81.2	168.5	229.4	252.0
117.5°	0.0	79.0	164.1	222.7	245.3
120°	0.0	75.9	159.6	216.6	237.8
122.5°	0.0	72.9	154.9	209.1	229.4
125°	0.0	70.0	149.6	202.4	221.9
127.5°	0.0	65.4	143.8	194.9	213.0
130°	0.0	60.9	136.2	187.4	204.7
132.5°	0.8	56.4	128.7	179.1	196.3
135°	0.0	52.0	120.4	170.8	186.6
137.5°	0.0	48.1	111.3	161.8	176.8
140°	0.0	43.7	102.3	151.3	167.1
142.5°	0.0	38.4	93.4	139.9	156.5
145°	0.0	33.9	84.3	127.9	146.0
147.5°	0.8	30.0	75.9	115.1	134.6
150°	0.8	27.0	67.8	102.3	121.8
152.5°	0.8	24.2	59.5	90.4	109.0
155°	0.8	21.1	52.0	78.2	97.1
157.5°	0.8	18.1	43.7	66.2	84.3
160°	0.8	15.8	36.1	55.6	72.3
162.5°	0.8	13.6	29.4	43.7	59.5
165°	0.8	11.4	23.3	32.3	45.9
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)