

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: P284740

Luminaire Tested: **4SNLED-LD5-45SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284740
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-LD5-45SL-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: 4109.0 lumens
Efficiency: N/A
Efficacy: 100.2 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

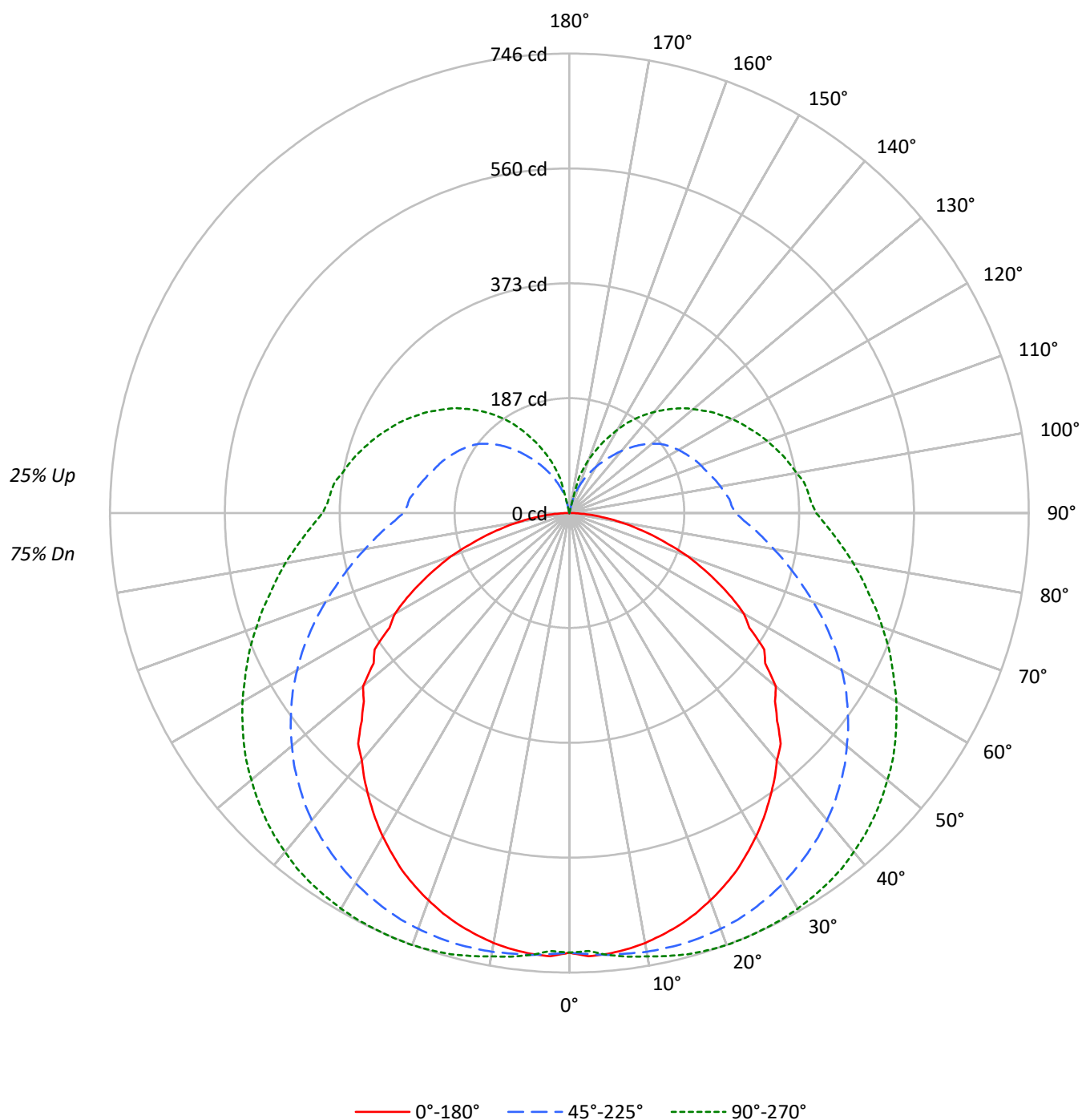
Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5767	5767	5767
5°	5811	5699	5656
10°	5783	5649	5625
15°	5744	5618	5637
20°	5689	5592	5648
25°	5635	5572	5656
30°	5557	5555	5687
35°	5471	5536	5725
40°	5388	5532	5762
45°	5287	5518	5809
50°	5303	5507	5855
55°	5207	5506	5924
60°	5018	5510	6005
65°	4740	5517	6117
70°	4435	5558	6288
75°	3889	5686	6543
80°	3285	5960	6964
85°	2439	6515	7580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.7
10°-20°	203.3	4.9
20°-30°	323.1	7.9
30°-40°	414.6	10.1
40°-50°	468.2	11.4
50°-60°	477.8	11.6
60°-70°	442.6	10.8
70°-80°	374.7	9.1
80°-90°	299.1	7.3
90°-100°	254.0	6.2
100°-110°	226.3	5.5
110°-120°	192.7	4.7
120°-130°	153.1	3.7
130°-140°	108.6	2.6
140°-150°	64.8	1.6
150°-160°	30.2	0.7
160°-170°	7.2	0.2
170°-180°	0.0	0.0
0°-30°	594.9	14.5
0°-40°	1009.5	24.6
0°-60°	1955.5	47.6
0°-90°	3072.0	74.8
90°-120°	673.0	16.4
90°-150°	999.5	24.3
90°-180°	1037.0	25.2
0°-180°	4109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	714	714	714	714	714	
5°	718	713	720	720	720	68
15°	692	698	723	737	742	195
25°	641	662	709	734	745	295
35°	567	608	674	716	733	355
45°	477	542	622	676	699	370
55°	386	451	551	619	646	339
65°	264	352	466	546	577	263
75°	139	246	378	470	503	148
85°	36	158	301	399	432	39
90°	2	130	269	367	401	3
95°	0	122	261	356	389	0
105°	0	112	238	327	359	0
115°	0	104	216	294	323	0
125°	0	90	192	260	285	0
135°	0	67	154	219	239	0
145°	0	44	108	164	187	0
155°	1	27	67	100	124	0
165°	1	15	30	41	59	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°	713.7	713.7	713.7	713.7	713.7
2.5°	720.2	712.6	716.5	715.5	711.6
5°	718.3	712.6	720.2	720.2	720.2
7.5°	714.4	710.5	721.2	725.1	726.2
10°	708.7	708.7	723.3	729.0	730.9
12.5°	700.9	703.8	723.3	731.9	736.6
15°	692.3	698.0	723.3	736.6	741.5
17.5°	681.6	691.2	721.2	737.6	744.4
20°	669.1	683.7	718.3	737.6	746.5
22.5°	655.6	674.1	714.4	735.8	746.5
25°	641.2	662.3	708.7	733.7	745.4
27.5°	623.8	650.9	701.9	730.9	744.4
30°	606.3	637.3	694.1	726.9	741.5
32.5°	587.0	622.7	684.5	721.2	737.6
35°	566.7	608.4	674.1	715.5	732.9
37.5°	546.4	590.9	663.4	707.7	726.9
40°	524.2	573.5	650.9	698.0	718.3
42.5°	507.8	555.2	637.3	688.4	709.7
45°	477.1	541.7	621.7	675.9	699.1
47.5°	452.8	515.6	606.3	663.4	687.3
50°	437.5	494.3	588.1	648.8	674.1
52.5°	400.7	479.9	570.6	634.4	661.3
55°	386.1	451.0	551.3	618.8	645.9
57.5°	346.5	430.7	532.1	601.6	629.5
60°	327.3	402.6	510.7	584.2	613.1
62.5°	297.3	378.6	489.6	564.9	594.8
65°	264.5	352.5	466.4	546.4	577.4
67.5°	233.7	326.5	444.2	527.1	559.9
70°	203.8	299.4	421.1	507.8	540.6
72.5°	168.8	272.3	398.6	489.6	522.4
75°	139.1	246.2	377.5	470.3	503.1
77.5°	110.0	221.2	357.2	452.8	485.7
80°	83.1	197.0	336.9	434.6	468.2
82.5°	57.8	176.7	318.7	417.1	450.0
85°	35.7	158.4	301.2	398.6	432.5
87.5°	16.4	142.0	283.7	381.5	416.1
90°	1.8	129.5	269.4	366.9	400.7
92.5°	1.0	125.6	263.7	360.1	392.9
95°	0.0	121.7	260.8	356.2	389.0
97.5°	0.0	117.8	254.0	350.4	384.3
100°	0.0	115.9	249.1	341.8	374.7
102.5°	0.0	113.1	243.4	334.0	366.9
105°	0.0	112.0	237.6	327.3	359.3
107.5°	0.0	110.0	231.6	318.7	350.4
110°	0.0	108.1	226.9	310.8	341.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	106.3	222.0	303.3	333.0
115°	0.0	104.2	216.3	294.4	323.3
117.5°	0.0	101.4	210.5	285.8	314.7
120°	0.0	97.4	204.8	278.0	305.1
122.5°	0.0	93.5	198.8	268.4	294.4
125°	0.0	89.9	192.0	259.8	284.8
127.5°	0.0	83.9	184.5	250.1	273.3
130°	0.0	78.2	174.8	240.5	262.6
132.5°	1.0	72.4	165.2	229.8	252.0
135°	0.0	66.7	154.5	219.1	239.4
137.5°	0.0	61.8	142.8	207.7	226.9
140°	0.0	56.0	131.3	194.1	214.4
142.5°	0.0	49.2	119.9	179.5	200.9
145°	0.0	43.5	108.1	164.1	187.3
147.5°	1.0	38.6	97.4	147.7	172.7
150°	1.0	34.7	87.0	131.3	156.3
152.5°	1.0	31.0	76.3	115.9	139.9
155°	1.0	27.1	66.7	100.3	124.5
157.5°	1.0	23.2	56.0	84.9	108.1
160°	1.0	20.3	46.4	71.4	92.8
162.5°	1.0	17.5	37.8	56.0	76.3
165°	1.0	14.6	30.0	41.4	58.9
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)