

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: P284701

Luminaire Tested: **4SNLED-LD5-45SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284701
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3855.0 lumens
Efficiency: N/A
Efficacy: 94.0 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

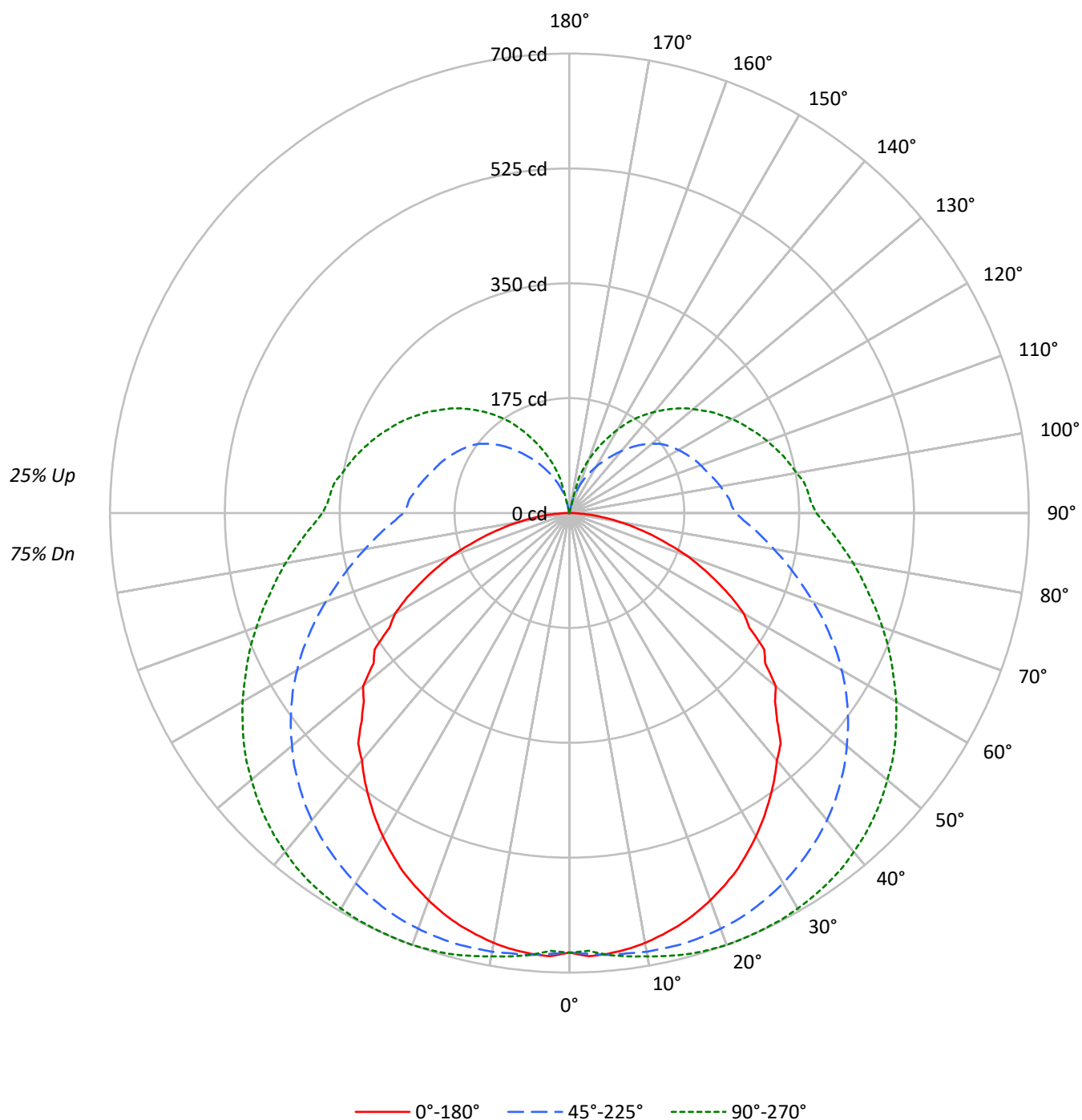
Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	5410	5410	5410
5°	5452	5347	5307
10°	5426	5300	5277
15°	5389	5271	5288
20°	5337	5246	5298
25°	5287	5228	5307
30°	5213	5211	5335
35°	5133	5193	5371
40°	5055	5189	5406
45°	4960	5177	5450
50°	4974	5166	5493
55°	4886	5167	5558
60°	4707	5169	5634
65°	4446	5176	5739
70°	4160	5214	5899
75°	3649	5335	6138
80°	3083	5592	6534
85°	2289	6113	7112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.7
10°-20°	190.7	4.9
20°-30°	303.1	7.9
30°-40°	389.0	10.1
40°-50°	439.3	11.4
50°-60°	448.2	11.6
60°-70°	415.3	10.8
70°-80°	351.6	9.1
80°-90°	280.6	7.3
90°-100°	238.3	6.2
100°-110°	212.3	5.5
110°-120°	180.8	4.7
120°-130°	143.6	3.7
130°-140°	101.9	2.6
140°-150°	60.8	1.6
150°-160°	28.4	0.7
160°-170°	6.7	0.2
170°-180°	0.0	0.0
0°-30°	558.1	14.5
0°-40°	947.1	24.6
0°-60°	1834.7	47.6
0°-90°	2882.1	74.8
90°-120°	631.4	16.4
90°-150°	937.8	24.3
90°-180°	973.0	25.2
0°-180°	3855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	674	669	676	676	676	64
15°	650	655	679	691	696	183
25°	602	621	665	688	699	277
35°	532	571	632	671	688	333
45°	448	508	583	634	656	348
55°	362	423	517	581	606	318
65°	248	331	438	513	542	246
75°	130	231	354	441	472	139
85°	34	149	283	374	406	37
90°	2	122	253	344	376	3
95°	0	114	245	334	365	0
105°	0	105	223	307	337	0
115°	0	98	203	276	303	0
125°	0	84	180	244	267	0
135°	0	63	145	206	225	0
145°	0	41	101	154	176	0
155°	1	25	63	94	117	0
165°	1	14	28	39	55	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°	669.5	669.5	669.5	669.5	669.5
2.5°	675.7	668.6	672.2	671.3	667.6
5°	673.9	668.6	675.7	675.7	675.7
7.5°	670.3	666.6	676.6	680.3	681.3
10°	664.9	664.9	678.6	684.0	685.7
12.5°	657.6	660.3	678.6	686.7	691.1
15°	649.5	654.9	678.6	691.1	695.7
17.5°	639.5	648.5	676.6	692.0	698.4
20°	627.7	641.4	673.9	692.0	700.3
22.5°	615.0	632.4	670.3	690.3	700.3
25°	601.6	621.4	664.9	688.4	699.4
27.5°	585.2	610.6	658.5	685.7	698.4
30°	568.8	597.9	651.2	682.0	695.7
32.5°	550.7	584.2	642.2	676.6	692.0
35°	531.7	570.8	632.4	671.3	687.6
37.5°	512.6	554.4	622.4	663.9	682.0
40°	491.8	538.0	610.6	654.9	673.9
42.5°	476.4	520.9	597.9	645.8	665.9
45°	447.6	508.2	583.3	634.1	655.9
47.5°	424.8	483.8	568.8	622.4	644.9
50°	410.4	463.7	551.7	608.7	632.4
52.5°	376.0	450.3	535.3	595.2	620.4
55°	362.3	423.1	517.3	580.6	606.0
57.5°	325.1	404.1	499.2	564.4	590.6
60°	307.0	377.7	479.1	548.1	575.2
62.5°	278.9	355.2	459.3	530.0	558.1
65°	248.1	330.7	437.6	512.6	541.7
67.5°	219.3	306.3	416.8	494.5	525.3
70°	191.2	280.9	395.0	476.4	507.2
72.5°	158.4	255.4	374.0	459.3	490.1
75°	130.5	231.0	354.2	441.2	472.0
77.5°	103.2	207.5	335.1	424.8	455.6
80°	78.0	184.8	316.1	407.7	439.3
82.5°	54.3	165.7	299.0	391.4	422.2
85°	33.5	148.6	282.6	374.0	405.8
87.5°	15.4	133.2	266.2	357.9	390.4
90°	1.7	121.5	252.8	344.2	376.0
92.5°	1.0	117.8	247.4	337.8	368.6
95°	0.0	114.2	244.7	334.2	365.0
97.5°	0.0	110.5	238.3	328.8	360.6
100°	0.0	108.8	233.7	320.7	351.5
102.5°	0.0	106.1	228.3	313.4	344.2
105°	0.0	105.1	222.9	307.0	337.1
107.5°	0.0	103.2	217.3	299.0	328.8
110°	0.0	101.4	212.9	291.6	320.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	99.7	208.3	284.5	312.4
115°	0.0	97.8	202.9	276.2	303.4
117.5°	0.0	95.1	197.5	268.2	295.3
120°	0.0	91.4	192.1	260.8	286.2
122.5°	0.0	87.8	186.5	251.8	276.2
125°	0.0	84.3	180.2	243.7	267.2
127.5°	0.0	78.7	173.1	234.7	256.4
130°	0.0	73.3	164.0	225.6	246.4
132.5°	1.0	68.0	155.0	215.6	236.4
135°	0.0	62.6	145.0	205.6	224.6
137.5°	0.0	57.9	134.0	194.8	212.9
140°	0.0	52.6	123.2	182.1	201.2
142.5°	0.0	46.2	112.4	168.4	188.5
145°	0.0	40.8	101.4	154.0	175.8
147.5°	1.0	36.2	91.4	138.6	162.1
150°	1.0	32.5	81.6	123.2	146.7
152.5°	1.0	29.1	71.6	108.8	131.3
155°	1.0	25.4	62.6	94.1	116.8
157.5°	1.0	21.8	52.6	79.7	101.4
160°	1.0	19.1	43.5	67.0	87.0
162.5°	1.0	16.4	35.4	52.6	71.6
165°	1.0	13.7	28.1	38.9	55.2
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)