

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: P284691

Luminaire Tested: **2SNLED-LD5-41HL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284691
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: 25NLED-LD5-41HL-SLW-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3483.0 lumens
Efficiency: N/A
Efficacy: 96.8 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

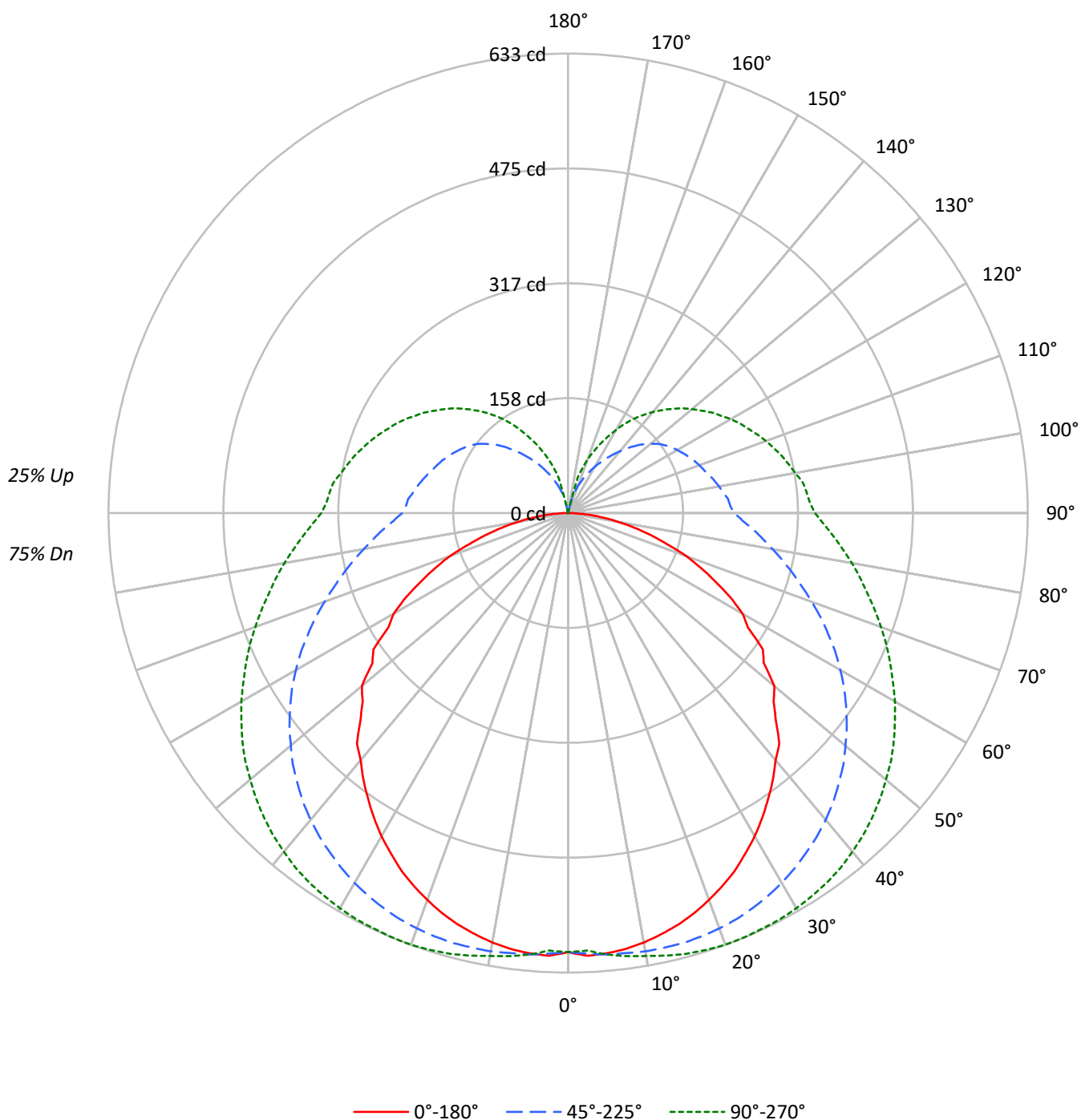
Input Watts (W): 36
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9776	9776	9776
5°	9825	9643	9590
10°	9751	9541	9536
15°	9657	9473	9557
20°	9538	9412	9575
25°	9418	9361	9590
30°	9257	9316	9642
35°	9081	9265	9707
40°	8909	9239	9769
45°	8699	9198	9848
50°	8677	9156	9926
55°	8467	9130	10043
60°	8091	9108	10180
65°	7561	9085	10369
70°	6965	9113	10661
75°	5970	9270	11093
80°	4845	9645	11806
85°	3277	10430	12850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.7
10°-20°	172.3	4.9
20°-30°	273.8	7.9
30°-40°	351.5	10.1
40°-50°	396.9	11.4
50°-60°	405.0	11.6
60°-70°	375.2	10.8
70°-80°	317.6	9.1
80°-90°	253.5	7.3
90°-100°	215.3	6.2
100°-110°	191.8	5.5
110°-120°	163.4	4.7
120°-130°	129.8	3.7
130°-140°	92.1	2.6
140°-150°	55.0	1.6
150°-160°	25.6	0.7
160°-170°	6.1	0.2
170°-180°	0.0	0.0
0°-30°	504.3	14.5
0°-40°	855.8	24.6
0°-60°	1657.6	47.6
0°-90°	2604.0	74.8
90°-120°	570.5	16.4
90°-150°	847.3	24.3
90°-180°	879.0	25.2
0°-180°	3483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	605	605	605	605	605	
5°	609	604	610	610	610	58
15°	587	592	613	624	629	166
25°	544	561	601	622	632	250
35°	480	516	571	606	621	301
45°	404	459	527	573	593	314
55°	327	382	467	524	548	287
65°	224	299	395	463	489	223
75°	118	209	320	399	426	125
85°	30	134	255	338	367	33
90°	2	110	228	311	340	2
95°	0	103	221	302	330	0
105°	0	95	201	277	305	0
115°	0	88	183	250	274	0
125°	0	76	163	220	241	0
135°	0	56	131	186	203	0
145°	0	37	92	139	159	0
155°	1	23	56	85	106	0
165°	1	12	25	35	50	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°	604.9	604.9	604.9	604.9	604.9
2.5°	610.5	604.0	607.4	606.5	603.2
5°	608.9	604.0	610.5	610.5	610.5
7.5°	605.6	602.3	611.3	614.6	615.5
10°	600.7	600.7	613.1	618.0	619.5
12.5°	594.1	596.5	613.1	620.4	624.4
15°	586.8	591.7	613.1	624.4	628.6
17.5°	577.8	585.9	611.3	625.3	631.0
20°	567.2	579.5	608.9	625.3	632.8
22.5°	555.7	571.4	605.6	623.7	632.8
25°	543.5	561.4	600.7	621.9	631.9
27.5°	528.7	551.7	595.0	619.5	631.0
30°	513.9	540.2	588.4	616.2	628.6
32.5°	497.6	527.9	580.2	611.3	625.3
35°	480.4	515.7	571.4	606.5	621.3
37.5°	463.1	500.9	562.3	599.9	616.2
40°	444.4	486.1	551.7	591.7	608.9
42.5°	430.5	470.6	540.2	583.5	601.6
45°	404.4	459.2	527.0	572.9	592.6
47.5°	383.9	437.1	513.9	562.3	582.6
50°	370.8	419.0	498.5	549.9	571.4
52.5°	339.7	406.8	483.7	537.8	560.5
55°	327.3	382.3	467.3	524.5	547.5
57.5°	293.7	365.1	451.0	510.0	533.6
60°	277.4	341.2	432.9	495.2	519.7
62.5°	252.0	320.9	415.0	478.8	504.2
65°	224.2	298.8	395.3	463.1	489.4
67.5°	198.1	276.7	376.6	446.8	474.6
70°	172.7	253.8	356.9	430.5	458.3
72.5°	143.1	230.8	337.9	415.0	442.8
75°	117.9	208.7	320.0	398.6	426.5
77.5°	93.2	187.5	302.8	383.9	411.7
80°	70.5	167.0	285.6	368.4	396.9
82.5°	49.0	149.7	270.1	353.6	381.4
85°	30.3	134.3	255.3	337.9	366.6
87.5°	13.9	120.4	240.5	323.3	352.7
90°	1.5	109.8	228.4	311.0	339.7
92.5°	0.9	106.5	223.5	305.2	333.1
95°	0.0	103.1	221.1	301.9	329.7
97.5°	0.0	99.8	215.3	297.1	325.8
100°	0.0	98.3	211.1	289.8	317.6
102.5°	0.0	95.9	206.3	283.1	311.0
105°	0.0	95.0	201.4	277.4	304.6
107.5°	0.0	93.2	196.3	270.1	297.1
110°	0.0	91.7	192.4	263.5	289.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.1	188.2	257.1	282.3
115°	0.0	88.3	183.3	249.6	274.1
117.5°	0.0	85.9	178.5	242.3	266.8
120°	0.0	82.6	173.6	235.7	258.6
122.5°	0.0	79.3	168.5	227.5	249.6
125°	0.0	76.2	162.8	220.2	241.4
127.5°	0.0	71.1	156.4	212.0	231.7
130°	0.0	66.3	148.2	203.9	222.6
132.5°	0.9	61.4	140.0	194.8	213.6
135°	0.0	56.5	131.0	185.7	203.0
137.5°	0.0	52.3	121.0	176.0	192.4
140°	0.0	47.5	111.3	164.5	181.8
142.5°	0.0	41.7	101.6	152.2	170.3
145°	0.0	36.9	91.7	139.1	158.8
147.5°	0.9	32.7	82.6	125.2	146.4
150°	0.9	29.4	73.8	111.3	132.5
152.5°	0.9	26.3	64.7	98.3	118.6
155°	0.9	23.0	56.5	85.0	105.6
157.5°	0.9	19.7	47.5	72.0	91.7
160°	0.9	17.2	39.3	60.5	78.6
162.5°	0.9	14.8	32.0	47.5	64.7
165°	0.9	12.4	25.4	35.1	49.9
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)