

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: P#

Luminaire Tested: **4SNLED-LD5-41SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-41SL-SLW-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

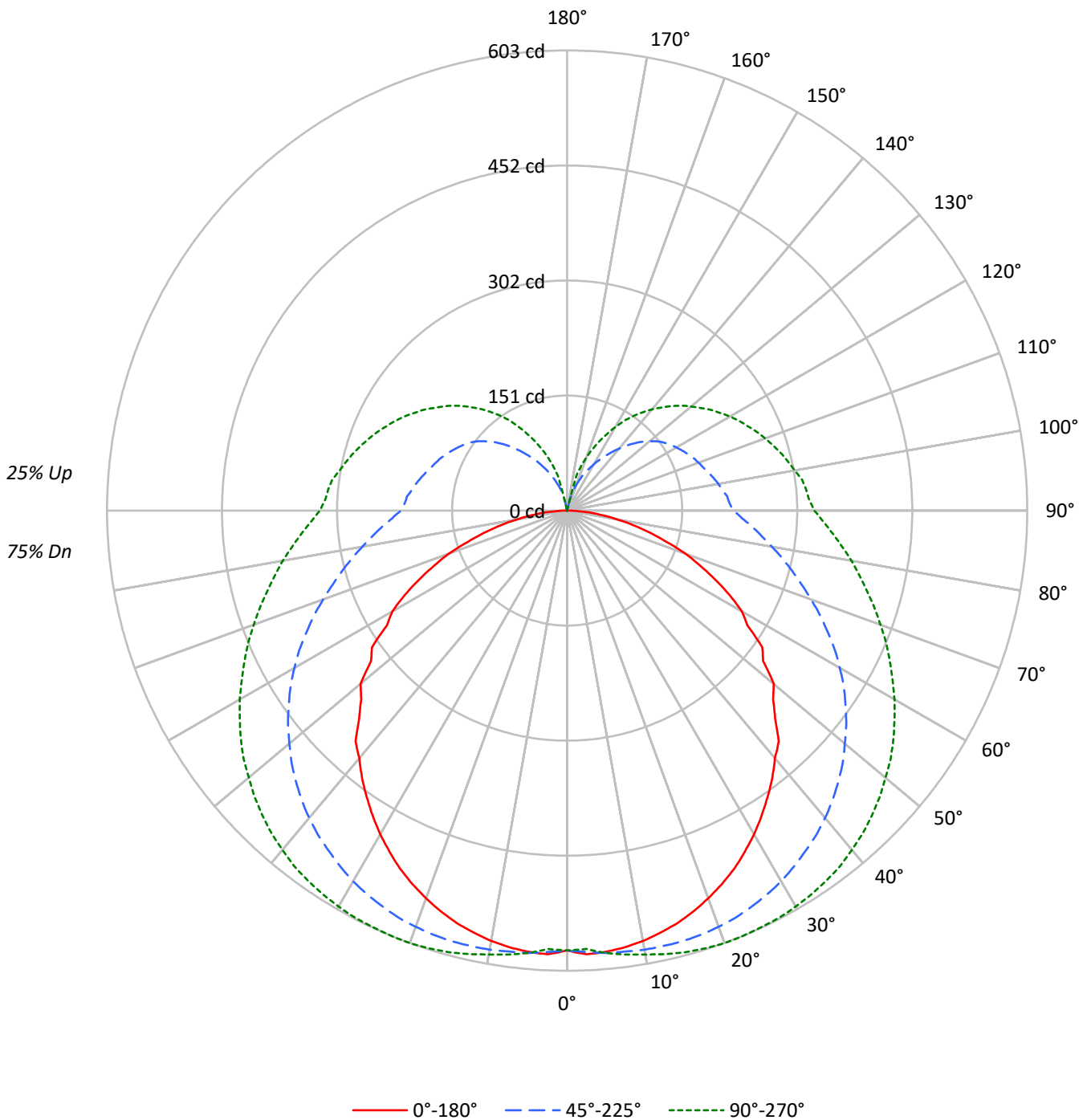
Lumens per Lamp: N/A
Luminaire Lumens: 3320.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 35
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	4659	4659	4659
5°	4695	4605	4571
10°	4673	4563	4545
15°	4641	4539	4555
20°	4597	4518	4563
25°	4552	4502	4570
30°	4490	4489	4595
35°	4421	4471	4625
40°	4354	4469	4656
45°	4271	4459	4693
50°	4283	4449	4730
55°	4209	4449	4787
60°	4055	4453	4852
65°	3831	4457	4942
70°	3582	4489	5082
75°	3140	4594	5286
80°	2653	4817	5628
85°	1974	5265	6125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	1.7
10°-20°	164.2	4.9
20°-30°	261.0	7.9
30°-40°	335.0	10.1
40°-50°	378.3	11.4
50°-60°	386.0	11.6
60°-70°	357.6	10.8
70°-80°	302.8	9.1
80°-90°	241.7	7.3
90°-100°	205.2	6.2
100°-110°	182.8	5.5
110°-120°	155.7	4.7
120°-130°	123.7	3.7
130°-140°	87.7	2.6
140°-150°	52.4	1.6
150°-160°	24.4	0.7
160°-170°	5.8	0.2
170°-180°	0.0	0.0
0°-30°	480.7	14.5
0°-40°	815.7	24.6
0°-60°	1580.1	47.6
0°-90°	2482.2	74.8
90°-120°	543.8	16.4
90°-150°	807.6	24.3
90°-180°	838.0	25.2
0°-180°	3320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	580	576	582	582	582	55
15°	559	564	584	595	599	158
25°	518	535	573	593	602	238
35°	458	492	544	578	592	287
45°	385	438	502	546	565	299
55°	312	364	446	500	522	274
65°	214	285	377	442	466	212
75°	112	199	305	380	406	120
85°	29	128	243	322	350	32
90°	2	104	218	296	324	2
95°	0	98	211	288	314	0
105°	0	90	192	264	290	0
115°	0	84	175	238	261	0
125°	0	73	155	210	230	0
135°	0	54	125	177	194	0
145°	0	35	87	133	151	0
155°	1	22	54	81	101	0
165°	1	12	24	34	48	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°	576.5	576.5	576.5	576.5	576.5
2.5°	582.0	575.7	578.9	578.1	575.0
5°	580.4	575.7	582.0	582.0	582.0
7.5°	577.3	574.2	582.8	585.9	586.7
10°	572.6	572.6	584.3	589.0	590.6
12.5°	566.4	568.7	584.3	591.4	595.3
15°	559.4	564.0	584.3	595.3	599.2
17.5°	550.8	558.6	582.8	596.0	601.5
20°	540.6	552.3	580.4	596.0	603.1
22.5°	529.7	544.5	577.3	594.5	603.1
25°	518.0	535.2	572.6	592.9	602.3
27.5°	504.0	525.8	567.2	590.6	601.5
30°	489.9	514.9	560.9	587.4	599.2
32.5°	474.3	503.2	553.1	582.8	596.0
35°	457.9	491.5	544.5	578.1	592.1
37.5°	441.6	477.4	536.0	571.8	587.4
40°	423.6	463.4	525.8	564.0	580.4
42.5°	410.4	448.6	514.9	556.2	573.4
45°	385.4	437.7	502.4	546.1	564.8
47.5°	365.9	416.6	489.9	536.0	555.5
50°	353.4	399.4	475.1	524.3	544.5
52.5°	323.8	387.7	461.1	512.6	534.4
55°	312.1	364.3	445.5	500.1	521.9
57.5°	280.1	347.9	429.9	486.0	508.7
60°	264.5	325.3	412.7	472.0	495.4
62.5°	240.3	305.8	395.5	456.4	480.6
65°	213.8	284.8	376.8	441.6	466.5
67.5°	188.8	263.7	358.9	426.0	452.5
70°	164.6	241.8	340.1	410.4	436.9
72.5°	136.5	220.0	322.2	395.5	422.1
75°	112.3	198.9	305.0	379.9	406.5
77.5°	88.9	178.7	288.7	365.9	392.4
80°	67.1	159.1	272.3	351.1	378.4
82.5°	46.8	142.8	257.4	337.0	363.5
85°	28.9	127.9	243.4	322.2	349.5
87.5°	13.3	114.7	229.4	308.2	336.2
90°	1.6	104.5	217.7	296.5	323.8
92.5°	0.8	101.4	213.0	291.0	317.5
95°	0.0	98.3	210.6	287.9	314.4
97.5°	0.0	95.2	205.2	283.2	310.5
100°	0.0	93.6	201.3	276.2	302.7
102.5°	0.0	91.3	196.6	269.9	296.5
105°	0.0	90.5	191.9	264.5	290.2
107.5°	0.0	88.9	187.2	257.4	283.2
110°	0.0	87.4	183.3	251.2	276.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	85.8	179.4	245.0	269.2
115°	0.0	84.3	174.8	237.9	261.3
117.5°	0.0	81.9	170.1	230.9	254.3
120°	0.0	78.8	165.4	224.7	246.5
122.5°	0.0	75.7	160.7	216.9	237.9
125°	0.0	72.6	155.2	209.9	230.1
127.5°	0.0	67.9	149.0	202.1	220.8
130°	0.0	63.2	141.2	194.3	212.2
132.5°	0.8	58.5	133.4	185.7	203.6
135°	0.0	53.8	124.8	177.1	193.5
137.5°	0.0	49.9	115.5	167.7	183.3
140°	0.0	45.2	106.1	156.8	173.2
142.5°	0.0	39.8	96.7	145.1	162.3
145°	0.0	35.1	87.4	132.6	151.3
147.5°	0.8	31.2	78.8	119.4	139.6
150°	0.8	28.1	70.2	106.1	126.4
152.5°	0.8	25.0	61.6	93.6	113.1
155°	0.8	21.8	53.8	81.1	100.6
157.5°	0.8	18.7	45.2	68.7	87.4
160°	0.8	16.4	37.4	57.7	74.9
162.5°	0.8	14.0	30.4	45.2	61.6
165°	0.8	11.7	24.2	33.5	47.6
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)