

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-L930-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-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

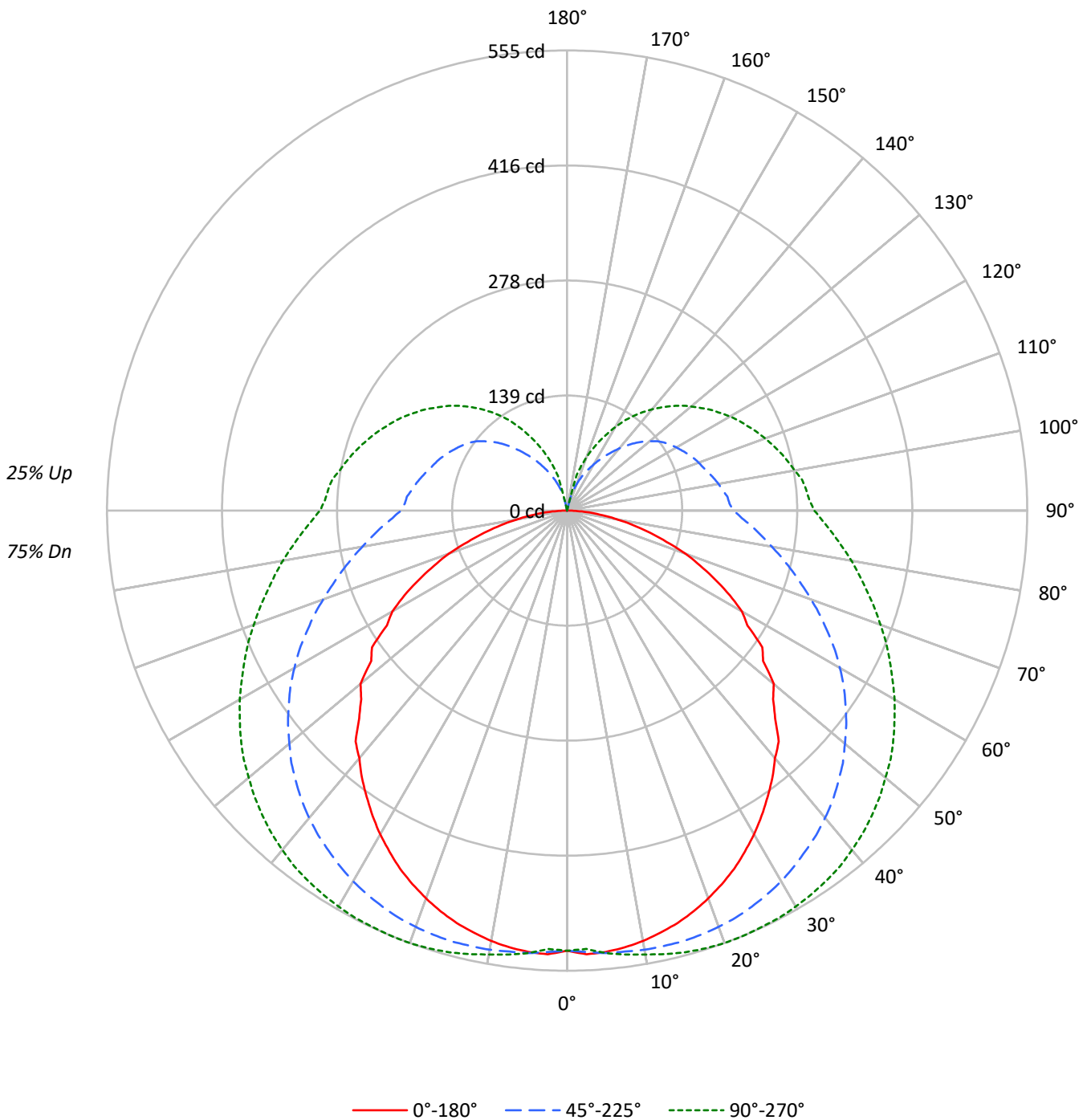
Lumens per Lamp: N/A
Luminaire Lumens: 3056.0 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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°	4289	4289	4289
5°	4322	4239	4207
10°	4302	4201	4184
15°	4272	4178	4192
20°	4232	4159	4200
25°	4190	4144	4207
30°	4134	4132	4230
35°	4069	4116	4257
40°	4008	4113	4286
45°	3931	4105	4320
50°	3943	4095	4353
55°	3873	4095	4406
60°	3732	4099	4466
65°	3527	4102	4549
70°	3297	4133	4677
75°	2891	4229	4865
80°	2443	4433	5180
85°	1817	4847	5638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.7
10°-20°	151.2	4.9
20°-30°	240.3	7.9
30°-40°	308.4	10.1
40°-50°	348.2	11.4
50°-60°	355.3	11.6
60°-70°	329.2	10.8
70°-80°	278.7	9.1
80°-90°	222.5	7.3
90°-100°	188.9	6.2
100°-110°	168.3	5.5
110°-120°	143.4	4.7
120°-130°	113.9	3.7
130°-140°	80.8	2.6
140°-150°	48.2	1.6
150°-160°	22.5	0.7
160°-170°	5.3	0.2
170°-180°	0.0	0.0
0°-30°	442.5	14.5
0°-40°	750.8	24.6
0°-60°	1454.4	47.6
0°-90°	2284.8	74.8
90°-120°	500.6	16.4
90°-150°	743.4	24.3
90°-180°	771.0	25.2
0°-180°	3056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	531	531	531	531	531	
5°	534	530	536	536	536	51
15°	515	519	538	548	552	145
25°	477	493	527	546	554	220
35°	422	452	501	532	545	264
45°	355	403	462	503	520	275
55°	287	335	410	460	480	252
65°	197	262	347	406	429	195
75°	103	183	281	350	374	110
85°	27	118	224	297	322	29
90°	1	96	200	273	298	2
95°	0	90	194	265	289	0
105°	0	83	177	243	267	0
115°	0	78	161	219	241	0
125°	0	67	143	193	212	0
135°	0	50	115	163	178	0
145°	0	32	80	122	139	0
155°	1	20	50	75	93	0
165°	1	11	22	31	44	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°	530.7	530.7	530.7	530.7	530.7
2.5°	535.7	530.0	532.8	532.1	529.2
5°	534.3	530.0	535.7	535.7	535.7
7.5°	531.4	528.5	536.4	539.3	540.0
10°	527.1	527.1	537.9	542.2	543.6
12.5°	521.3	523.5	537.9	544.3	547.9
15°	514.9	519.2	537.9	547.9	551.5
17.5°	507.0	514.2	536.4	548.6	553.7
20°	497.7	508.4	534.3	548.6	555.1
22.5°	487.6	501.2	531.4	547.2	555.1
25°	476.8	492.6	527.1	545.8	554.4
27.5°	463.9	484.0	522.1	543.6	553.7
30°	451.0	474.0	516.3	540.7	551.5
32.5°	436.6	463.2	509.1	536.4	548.6
35°	421.5	452.4	501.2	532.1	545.0
37.5°	406.5	439.5	493.3	526.4	540.7
40°	389.9	426.6	484.0	519.2	534.3
42.5°	377.7	412.9	474.0	512.0	527.8
45°	354.7	402.9	462.5	502.7	519.9
47.5°	336.8	383.5	451.0	493.3	511.3
50°	325.3	367.7	437.3	482.6	501.2
52.5°	298.0	356.9	424.4	471.8	491.9
55°	287.2	335.4	410.0	460.3	480.4
57.5°	257.8	320.3	395.7	447.4	468.2
60°	243.4	299.5	379.9	434.5	456.0
62.5°	221.2	281.5	364.1	420.1	442.4
65°	196.8	262.1	346.8	406.5	429.4
67.5°	173.8	242.7	330.3	392.1	416.5
70°	151.5	222.6	313.1	377.7	402.1
72.5°	125.7	202.5	296.6	364.1	388.5
75°	103.4	183.1	280.8	349.7	374.1
77.5°	81.9	164.4	265.7	336.8	361.2
80°	61.8	146.5	250.6	323.1	348.3
82.5°	43.1	131.4	237.0	310.2	334.6
85°	26.6	117.8	224.1	296.6	321.7
87.5°	12.2	105.6	211.1	283.7	309.5
90°	1.4	96.2	200.4	272.9	298.0
92.5°	0.7	93.4	196.0	267.9	292.3
95°	0.0	90.5	193.9	265.0	289.4
97.5°	0.0	87.6	188.9	260.7	285.8
100°	0.0	86.2	185.3	254.2	278.6
102.5°	0.0	84.0	181.0	248.5	272.9
105°	0.0	83.3	176.7	243.4	267.1
107.5°	0.0	81.9	172.3	237.0	260.7
110°	0.0	80.4	168.8	231.2	254.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	79.0	165.2	225.5	247.7
115°	0.0	77.6	160.9	219.0	240.6
117.5°	0.0	75.4	156.5	212.6	234.1
120°	0.0	72.5	152.2	206.8	226.9
122.5°	0.0	69.7	147.9	199.6	219.0
125°	0.0	66.8	142.9	193.2	211.8
127.5°	0.0	62.5	137.2	186.0	203.2
130°	0.0	58.2	130.0	178.8	195.3
132.5°	0.7	53.9	122.8	170.9	187.4
135°	0.0	49.5	114.9	163.0	178.1
137.5°	0.0	46.0	106.3	154.4	168.8
140°	0.0	41.7	97.7	144.3	159.4
142.5°	0.0	36.6	89.0	133.6	149.4
145°	0.0	32.3	80.4	122.1	139.3
147.5°	0.7	28.7	72.5	109.9	128.5
150°	0.7	25.9	64.6	97.7	116.3
152.5°	0.7	23.0	56.7	86.2	104.1
155°	0.7	20.1	49.5	74.7	92.6
157.5°	0.7	17.2	41.7	63.2	80.4
160°	0.7	15.1	34.5	53.1	68.9
162.5°	0.7	12.9	28.0	41.7	56.7
165°	0.7	10.8	22.3	30.9	43.8
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)