

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-LD5-35SL-SLN-UNV-L835-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-35SL-SLN-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

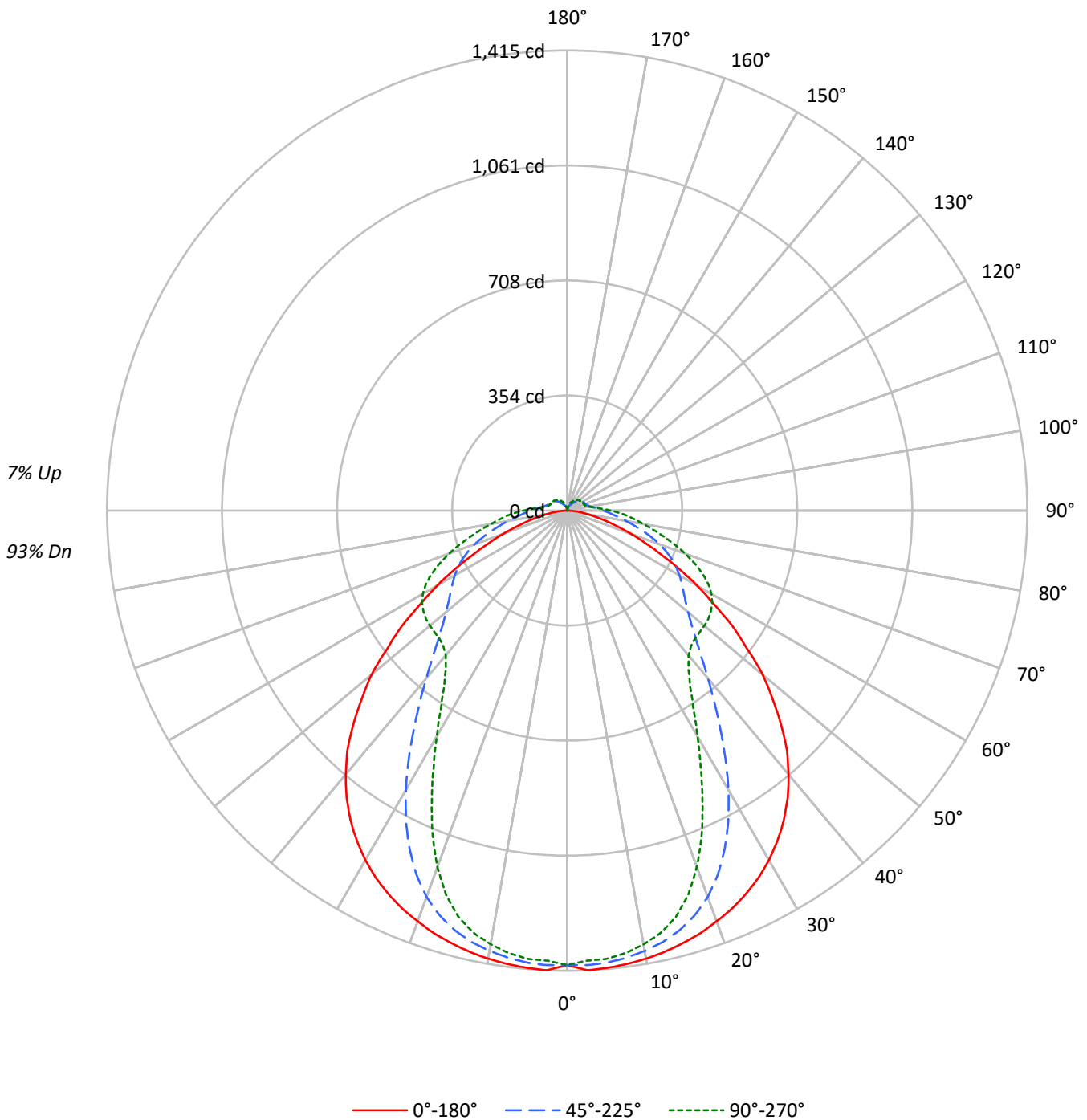
Lumens per Lamp: N/A
Luminaire Lumens: 3514.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11292	11292	11292
5°	11422	11042	10869
10°	11418	10737	10422
15°	11422	10378	9828
20°	11427	9842	8826
25°	11432	9019	7474
30°	11377	7936	6148
35°	11215	6752	5152
40°	10887	5718	4657
45°	10310	4970	4622
50°	9524	4543	4784
55°	8386	4367	4952
60°	7076	4305	5020
65°	5692	4210	4864
70°	4572	3992	4485
75°	3448	3613	3981
80°	2546	3244	3540
85°	1701	3061	3256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.8
10°-20°	373.7	10.6
20°-30°	522.3	14.9
30°-40°	541.8	15.4
40°-50°	500.5	14.2
50°-60°	446.9	12.7
60°-70°	362.2	10.3
70°-80°	240.9	6.9
80°-90°	137.9	3.9
90°-100°	76.3	2.2
100°-110°	51.7	1.5
110°-120°	43.0	1.2
120°-130°	35.0	1.0
130°-140°	25.2	0.7
140°-150°	15.2	0.4
150°-160°	7.3	0.2
160°-170°	1.9	0.1
170°-180°	0.0	0.0
0°-30°	1028.2	29.3
0°-40°	1570.0	44.7
0°-60°	2517.4	71.6
0°-90°	3258.3	92.7
90°-120°	171.0	4.9
90°-150°	246.4	7.0
90°-180°	256.0	7.3
0°-180°	3514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1412	1388	1396	1386	1384	134
15°	1377	1348	1336	1306	1293	389
25°	1301	1243	1147	1027	985	599
35°	1162	1034	822	690	660	725
45°	930	737	560	540	556	715
55°	622	470	437	508	540	553
65°	318	284	356	436	459	321
75°	123	154	240	294	306	135
85°	25	72	142	181	186	29
90°	1	50	112	135	134	2
95°	1	42	89	95	92	1
105°	1	37	64	62	59	1
115°	1	33	56	56	54	1
125°	1	28	50	52	51	1
135°	1	21	40	46	46	1
145°	1	13	27	36	38	1
155°	1	8	17	22	27	1
165°	1	5	8	11	15	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°	1397.3	1397.3	1397.3	1397.3	1397.3
2.5°	1414.9	1391.8	1399.1	1393.1	1385.2
5°	1411.9	1388.2	1395.5	1385.8	1383.9
7.5°	1406.4	1382.7	1387.0	1375.4	1372.4
10°	1399.1	1374.2	1374.8	1358.4	1354.2
12.5°	1389.4	1362.1	1358.4	1336.0	1329.9
15°	1376.7	1347.5	1336.0	1305.6	1292.9
17.5°	1362.7	1328.7	1305.0	1258.2	1238.2
20°	1343.9	1305.6	1264.3	1193.3	1166.5
22.5°	1325.0	1277.7	1211.5	1116.8	1080.9
25°	1300.8	1243.1	1147.1	1026.9	985.0
27.5°	1273.4	1202.4	1073.0	934.6	889.6
30°	1241.2	1153.2	991.7	844.1	801.6
32.5°	1203.6	1097.9	906.0	762.7	723.2
35°	1161.7	1034.2	822.2	690.5	659.5
37.5°	1113.7	964.3	744.5	632.2	612.1
40°	1059.1	888.4	672.8	587.2	580.5
42.5°	1000.2	814.3	611.5	558.1	564.1
45°	930.3	737.2	559.9	539.9	556.3
47.5°	856.8	661.9	518.0	529.5	553.2
50°	785.8	592.1	485.2	522.9	550.8
52.5°	697.7	529.5	459.1	516.8	547.1
55°	621.8	470.0	437.2	508.3	539.9
57.5°	534.4	416.6	417.8	497.3	528.9
60°	461.5	368.0	399.0	482.2	512.5
62.5°	387.4	324.3	378.3	462.1	489.5
65°	317.6	284.2	355.9	436.0	459.1
67.5°	259.3	247.8	330.3	404.4	423.9
70°	210.1	214.4	302.4	369.2	385.6
72.5°	161.5	183.4	272.1	331.6	345.5
75°	123.3	154.2	239.9	293.9	306.1
77.5°	91.1	128.7	210.7	259.9	270.2
80°	64.4	106.3	183.4	230.2	238.0
82.5°	43.1	87.4	160.9	203.4	210.7
85°	24.9	71.7	141.5	181.0	185.8
87.5°	10.3	59.5	125.7	157.9	160.3
90°	1.2	50.4	111.7	134.8	133.6
92.5°	1.2	45.5	99.6	113.0	109.9
95°	1.2	42.5	88.7	94.7	91.7
97.5°	1.2	40.7	78.9	81.4	78.3
100°	0.6	39.5	72.3	72.3	69.2
102.5°	0.6	38.3	67.4	65.6	63.2
105°	0.6	37.0	63.8	61.9	58.9
107.5°	0.6	36.4	61.3	59.5	56.5
110°	0.6	35.2	59.5	57.7	55.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.6	58.3	57.1	54.0
115°	0.6	33.4	56.5	55.9	54.0
117.5°	0.6	32.2	55.3	55.3	53.4
120°	0.6	31.0	53.4	54.7	52.8
122.5°	0.6	29.8	51.6	53.4	51.6
125°	0.6	28.5	49.8	52.2	51.0
127.5°	1.2	26.7	47.4	51.0	49.8
130°	0.6	24.9	44.9	49.8	49.2
132.5°	1.2	23.1	42.5	48.0	48.0
135°	1.2	21.3	39.5	46.2	46.2
137.5°	1.2	18.8	36.4	43.7	44.3
140°	1.2	17.0	33.4	41.3	42.5
142.5°	1.2	15.2	30.4	38.9	40.7
145°	1.2	13.4	27.3	35.8	38.3
147.5°	1.2	12.1	24.3	32.2	35.8
150°	1.2	10.3	21.9	29.1	32.8
152.5°	1.2	9.1	19.4	26.1	30.4
155°	1.2	8.5	17.0	22.5	27.3
157.5°	1.2	7.3	14.6	19.4	24.3
160°	1.2	6.1	12.1	17.0	20.6
162.5°	1.2	5.5	10.3	14.0	18.2
165°	1.2	4.9	8.5	10.9	14.6
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)