

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-LD5-46SL-SLC-UNV-L935-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-46SL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

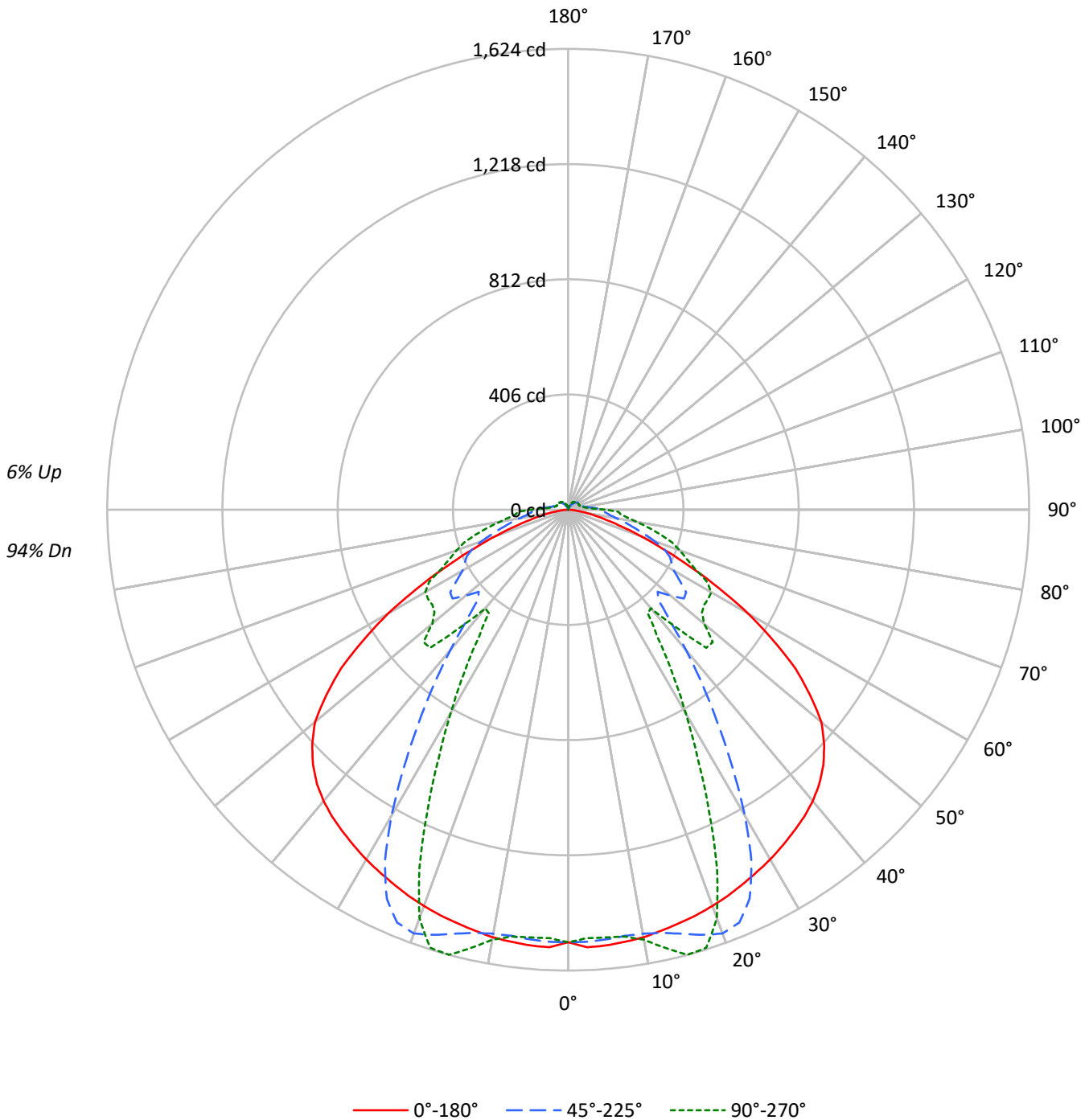
Lumens per Lamp: N/A
Luminaire Lumens: 3916.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12320	12320	12320
5°	12469	12031	11883
10°	12485	11847	11841
15°	12519	12014	12343
20°	12635	12372	11585
25°	12792	11890	8921
30°	13045	9959	6345
35°	13369	7543	4297
40°	13777	5482	3638
45°	14090	3977	5719
50°	14109	4405	5428
55°	13187	5069	5360
60°	11237	4638	5697
65°	8453	4678	5212
70°	5932	4258	4851
75°	3887	3568	4353
80°	2483	3057	3623
85°	1339	2905	3253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	3.7
10°-20°	438.0	11.2
20°-30°	636.3	16.2
30°-40°	607.9	15.5
40°-50°	556.1	14.2
50°-60°	513.4	13.1
60°-70°	407.8	10.4
70°-80°	251.7	6.4
80°-90°	137.1	3.5
90°-100°	69.3	1.8
100°-110°	43.5	1.1
110°-120°	36.9	0.9
120°-130°	30.1	0.8
130°-140°	21.6	0.6
140°-150°	13.3	0.3
150°-160°	6.3	0.2
160°-170°	1.6	0.0
170°-180°	0.0	0.0
0°-30°	1219.3	31.1
0°-40°	1827.2	46.7
0°-60°	2896.7	74.0
0°-90°	3693.3	94.3
90°-120°	149.7	3.8
90°-150°	214.7	5.5
90°-180°	223.0	5.7
0°-180°	3916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1524	1524	1524	1524	1524	
5°	1541	1518	1520	1512	1513	147
15°	1509	1489	1547	1604	1624	427
25°	1456	1484	1512	1280	1176	673
35°	1385	1362	918	632	550	868
45°	1271	887	448	572	688	977
55°	978	455	508	546	584	861
65°	472	295	396	480	492	477
75°	139	157	237	314	335	158
85°	20	67	134	183	186	25
90°	1	50	120	142	132	1
95°	0	47	83	74	70	0
105°	0	42	51	47	46	0
115°	0	34	49	44	42	0
125°	1	28	44	42	40	1
135°	1	20	35	38	37	1
145°	1	12	24	31	33	0
155°	1	7	15	20	24	0
165°	1	4	7	9	13	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°	1524.5	1524.5	1524.5	1524.5	1524.5
2.5°	1543.4	1521.1	1523.8	1519.1	1511.0
5°	1541.3	1517.7	1520.4	1512.3	1513.0
7.5°	1535.9	1511.6	1515.0	1513.7	1517.0
10°	1529.9	1504.2	1517.0	1528.5	1538.6
12.5°	1519.1	1496.1	1527.2	1560.9	1581.8
15°	1508.9	1488.7	1546.7	1604.1	1623.7
17.5°	1498.8	1486.0	1571.0	1621.0	1618.3
20°	1486.0	1484.6	1589.2	1572.4	1531.2
22.5°	1471.8	1485.3	1575.1	1451.6	1370.6
25°	1455.6	1484.0	1512.3	1280.2	1175.6
27.5°	1439.4	1477.9	1398.3	1092.6	989.3
30°	1423.2	1461.7	1244.4	921.2	827.4
32.5°	1404.3	1426.6	1077.0	769.3	682.9
35°	1384.8	1362.5	918.5	632.3	550.0
37.5°	1364.5	1270.0	776.1	512.2	459.6
40°	1340.2	1154.0	645.1	439.3	453.5
42.5°	1309.9	1023.1	529.7	460.9	559.4
45°	1271.4	886.7	448.1	571.6	688.3
47.5°	1222.8	755.8	427.8	654.6	691.0
50°	1164.1	635.7	470.4	627.6	624.9
52.5°	1075.0	535.8	513.6	572.3	593.9
55°	977.8	454.8	507.5	545.9	584.4
57.5°	855.0	400.2	465.6	540.5	585.1
60°	732.9	363.7	429.9	539.9	581.7
62.5°	597.9	330.7	411.7	527.0	552.0
65°	471.7	294.9	395.5	480.5	492.0
67.5°	361.7	258.5	367.1	428.5	451.5
70°	272.6	222.7	322.6	388.7	417.1
72.5°	196.4	189.0	276.7	353.6	383.3
75°	139.0	157.2	236.9	313.8	334.7
77.5°	95.8	128.2	203.1	269.9	286.8
80°	62.8	102.6	172.8	232.1	243.6
82.5°	37.8	82.3	149.8	203.1	209.2
85°	19.6	66.8	134.3	182.9	185.6
87.5°	6.1	56.0	125.5	173.4	176.8
90°	0.7	49.9	120.1	142.4	131.6
92.5°	0.0	47.2	103.9	97.2	87.1
95°	0.0	46.6	83.0	73.6	69.5
97.5°	0.0	45.2	68.2	61.4	59.4
100°	0.0	43.9	58.7	54.0	53.3
102.5°	0.0	43.2	53.3	49.3	48.6
105°	0.0	41.8	51.3	46.6	45.9
107.5°	0.0	39.8	49.9	45.2	43.9
110°	0.0	37.8	49.9	44.5	42.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.8	49.9	43.9	41.8
115°	0.0	34.4	49.3	43.9	41.8
117.5°	0.7	33.1	48.6	43.9	41.8
120°	0.0	31.7	47.2	43.9	41.2
122.5°	0.7	29.7	45.9	43.2	41.2
125°	0.7	27.7	43.9	42.5	40.5
127.5°	0.7	25.6	41.8	41.2	39.1
130°	0.7	23.6	39.8	40.5	38.5
132.5°	0.7	21.6	37.1	39.1	37.8
135°	0.7	19.6	35.1	38.5	37.1
137.5°	0.7	17.5	32.4	36.4	36.4
140°	0.7	15.5	29.7	35.1	35.8
142.5°	0.7	14.2	27.0	33.7	34.4
145°	0.7	12.1	24.3	31.0	33.1
147.5°	0.7	10.8	21.6	28.3	31.0
150°	0.7	9.4	18.9	25.6	28.3
152.5°	0.7	8.1	16.9	22.3	26.3
155°	1.3	7.4	14.8	19.6	23.6
157.5°	1.3	6.1	12.1	16.9	20.2
160°	1.3	5.4	10.8	14.2	18.2
162.5°	1.3	4.7	8.8	12.1	15.5
165°	1.3	4.0	7.4	9.4	12.8
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)