

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: **2SNLED-LD5-46HL-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: 2SNLED-LD5-46HL-SLC-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

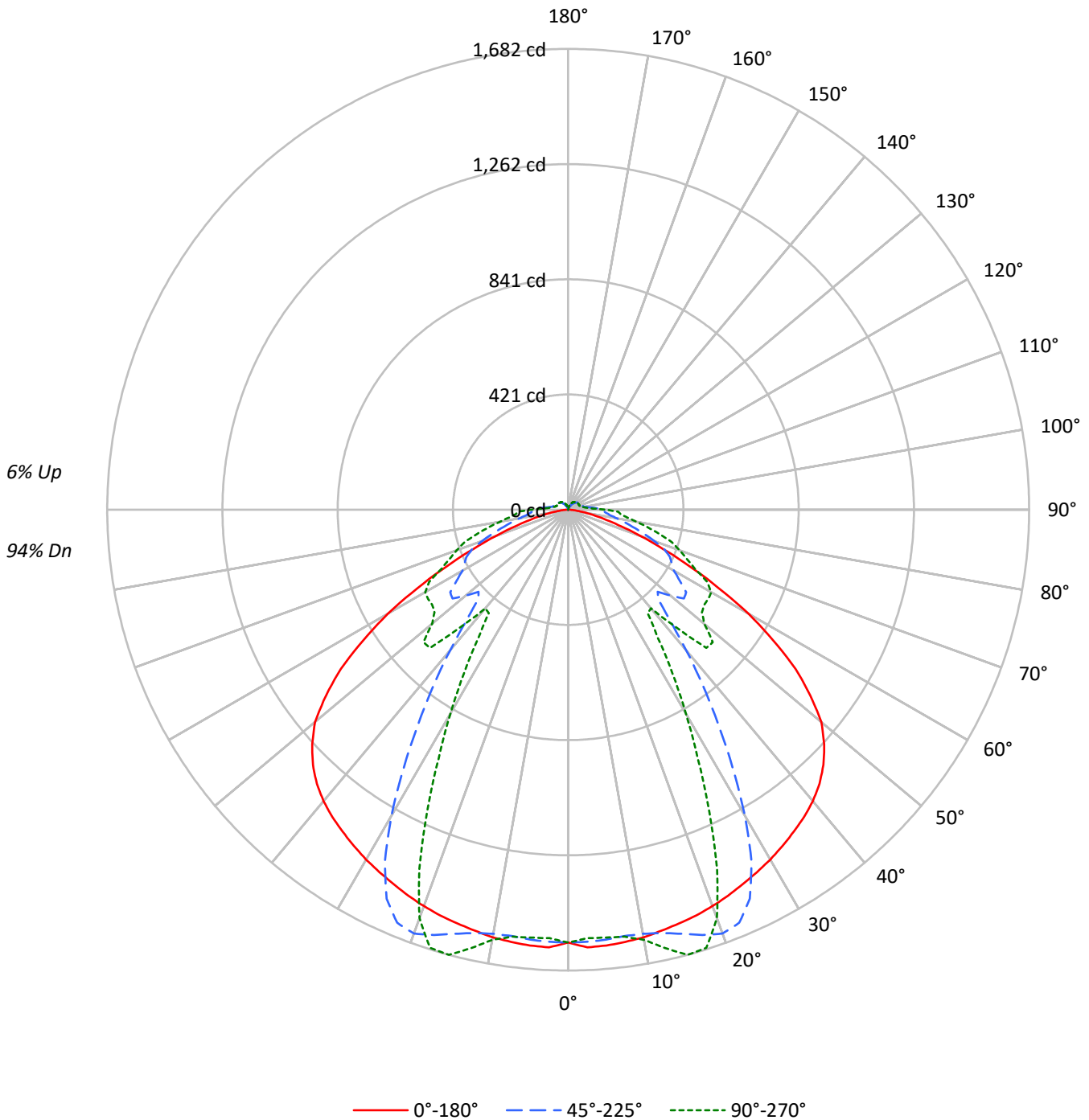
Lumens per Lamp: N/A
Luminaire Lumens: 4057.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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				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	64	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°	25526	25526	25526
5°	25765	24882	24622
10°	25727	24458	24536
15°	25727	24758	25573
20°	25889	25450	24004
25°	26130	24415	18483
30°	26559	20411	13146
35°	27118	15428	8902
40°	27835	11194	7538
45°	28336	8102	11851
50°	28221	8950	11247
55°	26208	10273	11107
60°	22146	9371	11806
65°	16480	9416	10799
70°	11393	8533	10052
75°	7291	7109	9020
80°	4467	6045	7508
85°	2196	5683	6740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.3	3.7
10°-20°	453.8	11.2
20°-30°	659.2	16.2
30°-40°	629.8	15.5
40°-50°	576.1	14.2
50°-60°	531.9	13.1
60°-70°	422.5	10.4
70°-80°	260.8	6.4
80°-90°	142.0	3.5
90°-100°	71.8	1.8
100°-110°	45.1	1.1
110°-120°	38.2	0.9
120°-130°	31.2	0.8
130°-140°	22.4	0.6
140°-150°	13.8	0.3
150°-160°	6.6	0.2
160°-170°	1.7	0.0
170°-180°	0.0	0.0
0°-30°	1263.2	31.1
0°-40°	1893.0	46.7
0°-60°	3001.0	74.0
0°-90°	3826.3	94.3
90°-120°	155.0	3.8
90°-150°	222.4	5.5
90°-180°	231.0	5.7
0°-180°	4057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1579	1579	1579	1579	1579	
5°	1597	1572	1575	1567	1568	152
15°	1563	1542	1602	1662	1682	442
25°	1508	1537	1567	1326	1218	697
35°	1435	1412	952	655	570	900
45°	1317	919	464	592	713	1012
55°	1013	471	526	566	606	892
65°	489	306	410	498	510	494
75°	144	163	245	325	347	163
85°	20	69	139	190	192	26
90°	1	52	124	148	136	1
95°	0	48	86	76	72	0
105°	0	43	53	48	48	0
115°	0	36	51	45	43	0
125°	1	29	45	44	42	1
135°	1	20	36	40	38	1
145°	1	13	25	32	34	0
155°	1	8	15	20	24	1
165°	1	4	8	10	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°	1579.4	1579.4	1579.4	1579.4	1579.4
2.5°	1598.9	1575.9	1578.7	1573.8	1565.4
5°	1596.8	1572.4	1575.2	1566.8	1567.5
7.5°	1591.2	1566.1	1569.6	1568.2	1571.7
10°	1584.9	1558.4	1571.7	1583.5	1594.0
12.5°	1573.8	1550.0	1582.1	1617.1	1638.8
15°	1563.3	1542.3	1602.4	1661.8	1682.1
17.5°	1552.8	1539.5	1627.6	1679.3	1676.5
20°	1539.5	1538.1	1646.5	1629.0	1586.3
22.5°	1524.8	1538.8	1631.8	1503.8	1419.9
25°	1508.0	1537.4	1566.8	1326.3	1217.9
27.5°	1491.3	1531.1	1448.6	1131.9	1024.9
30°	1474.5	1514.3	1289.2	954.3	857.1
32.5°	1454.9	1478.0	1115.8	797.0	707.5
35°	1434.6	1411.6	951.5	655.1	569.8
37.5°	1413.7	1315.8	804.0	530.6	476.1
40°	1388.5	1195.5	668.4	455.1	469.8
42.5°	1357.0	1059.9	548.8	477.5	579.6
45°	1317.2	918.7	464.2	592.2	713.1
47.5°	1266.8	783.0	443.3	678.2	715.9
50°	1206.0	658.6	487.3	650.2	647.4
52.5°	1113.7	555.1	532.0	592.9	615.2
55°	1013.1	471.2	525.8	565.6	605.5
57.5°	885.8	414.6	482.4	560.0	606.2
60°	759.3	376.8	445.4	559.3	602.7
62.5°	619.4	342.6	426.5	546.0	571.9
65°	488.7	305.5	409.7	497.8	509.7
67.5°	374.7	267.8	380.3	444.0	467.7
70°	282.5	230.7	334.2	402.7	432.1
72.5°	203.4	195.8	286.6	366.3	397.1
75°	144.0	162.9	245.4	325.1	346.8
77.5°	99.3	132.8	210.4	279.7	297.1
80°	65.0	106.3	179.0	240.5	252.4
82.5°	39.2	85.3	155.2	210.4	216.7
85°	20.3	69.2	139.1	189.5	192.3
87.5°	6.3	58.0	130.0	179.7	183.2
90°	0.7	51.7	124.4	147.5	136.3
92.5°	0.0	48.9	107.7	100.7	90.2
95°	0.0	48.2	86.0	76.2	72.0
97.5°	0.0	46.8	70.6	63.6	61.5
100°	0.0	45.4	60.8	55.9	55.2
102.5°	0.0	44.7	55.2	51.0	50.3
105°	0.0	43.3	53.1	48.2	47.5
107.5°	0.0	41.2	51.7	46.8	45.4
110°	0.0	39.2	51.7	46.1	44.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.1	51.7	45.4	43.3
115°	0.0	35.7	51.0	45.4	43.3
117.5°	0.7	34.3	50.3	45.4	43.3
120°	0.0	32.9	48.9	45.4	42.6
122.5°	0.7	30.8	47.5	44.7	42.6
125°	0.7	28.7	45.4	44.0	41.9
127.5°	0.7	26.6	43.3	42.6	40.5
130°	0.7	24.5	41.2	41.9	39.9
132.5°	0.7	22.4	38.5	40.5	39.2
135°	0.7	20.3	36.4	39.9	38.5
137.5°	0.7	18.2	33.6	37.8	37.8
140°	0.7	16.1	30.8	36.4	37.1
142.5°	0.7	14.7	28.0	35.0	35.7
145°	0.7	12.6	25.2	32.2	34.3
147.5°	0.7	11.2	22.4	29.4	32.2
150°	0.7	9.8	19.6	26.6	29.4
152.5°	0.7	8.4	17.5	23.1	27.3
155°	1.4	7.7	15.4	20.3	24.5
157.5°	1.4	6.3	12.6	17.5	21.0
160°	1.4	5.6	11.2	14.7	18.9
162.5°	1.4	4.9	9.1	12.6	16.1
165°	1.4	4.2	7.7	9.8	13.3
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)