

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: P218475

Luminaire Tested: **4SNLED-LD5-65SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-65SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6147.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

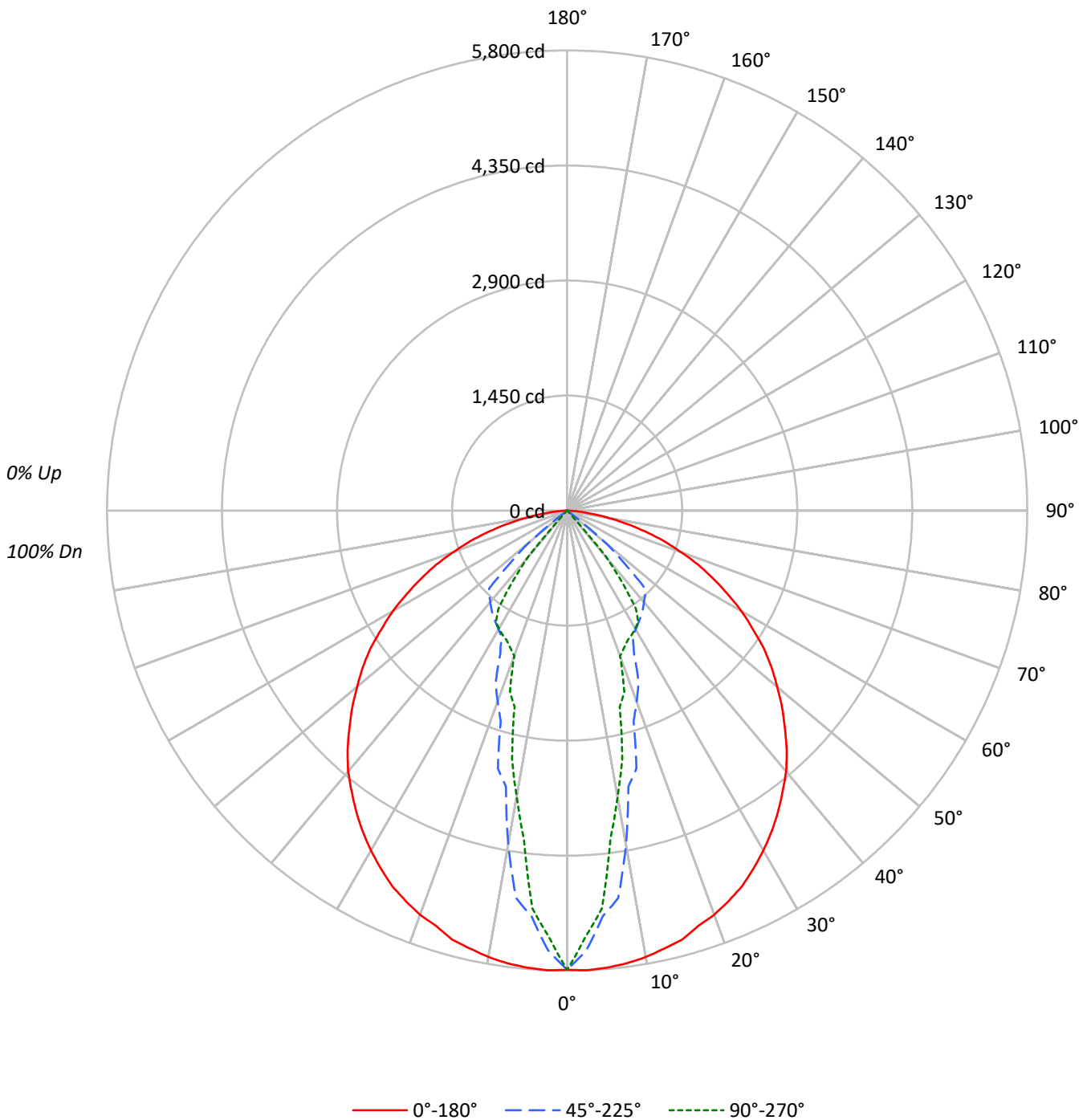
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218475

CATALOG NUMBER: 4SNLED-LD5-65SL-RM-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218475

CATALOG NUMBER: 4SNLED-LD5-65SL-RM-UNV-L830-CD1-U

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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93261	93261	93261
5°	93181	78017	74860
10°	92801	61870	50915
15°	92347	46900	33696
20°	91538	34591	24503
25°	91040	26422	21868
30°	89878	22574	20222
35°	88584	21052	17462
40°	87250	19581	8767
45°	84881	18207	34
50°	82516	8646	0
55°	80190	285	0
60°	76256	211	0
65°	71117	87	0
70°	64294	47	0
75°	54733	50	39
80°	39233	54	42
85°	18961	59	45



TEST NUMBER: P218475

CATALOG NUMBER: 4SNLED-LD5-65SL-RM-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.7	7.8
10°-20°	1029.7	16.8
20°-30°	1228.4	20.0
30°-40°	1307.0	21.3
40°-50°	954.9	15.5
50°-60°	609.9	9.9
60°-70°	367.2	6.0
70°-80°	143.1	2.3
80°-90°	29.1	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2735.7	44.5
0°-40°	4042.7	65.8
0°-60°	5607.6	91.2
0°-90°	6147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5788	5788	5788	5788	5788	
5°	5782	5500	5134	5042	5033	550
15°	5598	4775	3366	2624	2561	1577
25°	5220	3328	1997	1818	1804	2402
35°	4635	2199	1622	1622	1509	2899
45°	3880	1423	1388	6	3	2997
55°	3025	1123	21	3	0	2693
65°	2032	458	6	3	0	2011
75°	1016	24	3	3	3	1073
85°	152	3	3	3	3	211
90°	0	0	0	0	0	



TEST NUMBER: P218475

CATALOG NUMBER: 4SNLED-LD5-65SL-RM-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5787.7	5787.7	5787.7	5787.7	5787.7
2.5°	5799.6	5761.0	5547.0	5457.9	5371.8
5°	5781.8	5499.5	5134.1	5042.0	5033.0
7.5°	5755.0	5235.1	4926.1	4397.2	4174.4
10°	5713.4	5062.8	4272.4	3826.8	3660.4
12.5°	5654.0	4807.2	3562.4	3306.8	3208.8
15°	5597.6	4774.6	3366.3	2623.5	2561.1
17.5°	5490.6	4109.0	2781.0	2466.0	2394.7
20°	5419.3	3806.0	2558.1	2139.2	1949.0
22.5°	5324.2	3627.7	2353.1	1946.1	1871.8
25°	5220.2	3327.6	1996.6	1818.3	1803.5
27.5°	5086.5	2926.5	1788.6	1770.8	1764.8
30°	4946.9	2483.8	1729.2	1723.2	1714.3
32.5°	4795.4	2308.5	1675.7	1675.7	1666.8
35°	4634.9	2198.6	1622.2	1622.2	1509.3
37.5°	4462.6	2059.0	1568.7	1568.7	1135.0
40°	4293.2	1764.8	1506.3	1045.8	766.5
42.5°	4097.1	1524.2	1452.9	730.9	5.9
45°	3880.3	1423.2	1387.5	5.9	3.0
47.5°	3675.3	1351.9	944.8	3.0	0.0
50°	3455.4	1274.6	647.7	3.0	0.0
52.5°	3247.4	1203.3	29.7	3.0	0.0
55°	3024.6	1123.1	20.8	3.0	0.0
57.5°	2772.0	1045.8	17.8	3.0	0.0
60°	2537.3	962.6	14.9	3.0	0.0
62.5°	2278.8	817.1	8.9	3.0	0.0
65°	2032.2	457.5	5.9	3.0	0.0
67.5°	1788.6	74.3	5.9	3.0	0.0
70°	1521.2	50.5	3.0	3.0	0.0
72.5°	1274.6	38.6	3.0	3.0	3.0
75°	1016.1	23.8	3.0	3.0	3.0
77.5°	760.6	14.9	3.0	3.0	3.0
80°	522.9	8.9	3.0	3.0	3.0
82.5°	314.9	3.0	3.0	3.0	3.0
85°	151.5	3.0	3.0	3.0	3.0
87.5°	47.5	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)