

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: P218518

Luminaire Tested: **4SNLED-LD5-64SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-64SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6604.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

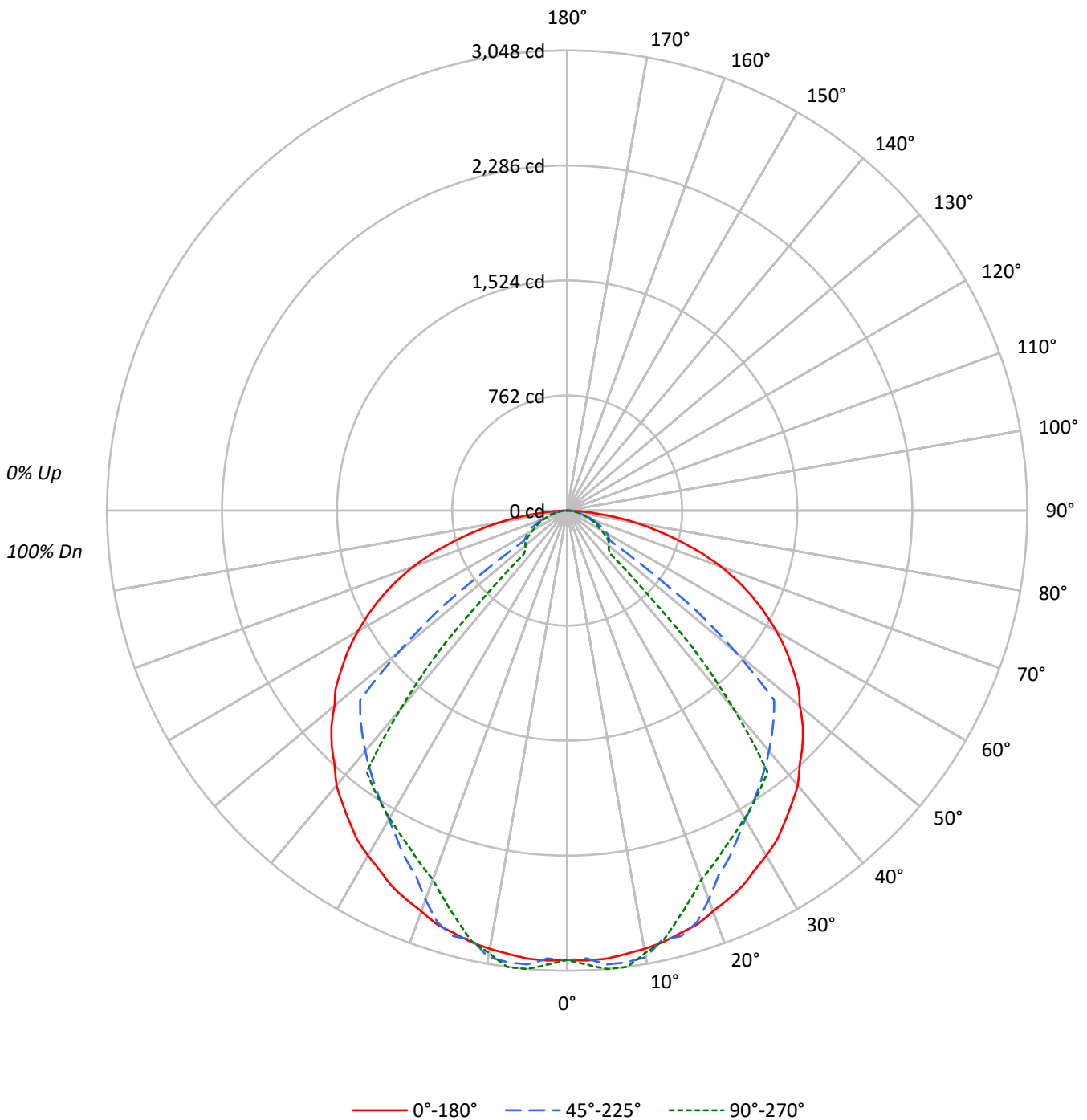
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218518

CATALOG NUMBER: 4SNLED-LD5-64SL-RW-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218518

CATALOG NUMBER: 4SNLED-LD5-64SL-RW-UNV-L840-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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89					87				
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77					75				
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67					65				
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59					57				
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52					50				
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47					45				
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42					40				
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38					36				
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34					33				
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47957	47957	47957
5°	48020	45854	45343
10°	47893	43497	41398
15°	47792	40648	36981
20°	47711	37077	32696
25°	47880	33596	29905
30°	47939	30803	27752
35°	48060	28833	25905
40°	48303	27047	19739
45°	48225	25403	4592
50°	48040	19451	4137
55°	48311	4763	3786
60°	48137	4342	3088
65°	47495	3665	2548
70°	45714	2845	1993
75°	41191	2117	1450
80°	34116	1419	910
85°	20263	811	411



TEST NUMBER: P218518

CATALOG NUMBER: 4SNLED-LD5-64SL-RW-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.3	4.4
10°-20°	814.5	12.3
20°-30°	1199.5	18.2
30°-40°	1443.8	21.9
40°-50°	1236.6	18.7
50°-60°	800.1	12.1
60°-70°	531.9	8.1
70°-80°	226.9	3.4
80°-90°	63.4	1.0
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°	2301.3	34.8
0°-40°	3745.1	56.7
0°-60°	5781.8	87.6
0°-90°	6604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2976	2976	2976	2976	2976	
5°	2980	2990	3018	3052	3048	283
15°	2897	2976	2918	2856	2811	819
25°	2745	2763	2539	2484	2466	1265
35°	2515	2418	2222	2239	2239	1576
45°	2205	1960	1936	1182	403	1700
55°	1822	1547	348	331	327	1629
65°	1357	975	248	214	210	1338
75°	765	179	128	114	110	810
85°	162	48	41	31	28	207
90°	0	0	0	0	0	



TEST NUMBER: P218518

CATALOG NUMBER: 4SNLED-LD5-64SL-RW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2976.2	2976.2	2976.2	2976.2	2976.2
2.5°	2983.0	2972.7	2969.3	3007.2	3010.6
5°	2979.6	2989.9	3017.5	3051.9	3048.5
7.5°	2962.4	2996.8	3017.5	3069.2	3048.5
10°	2948.6	3010.6	3003.7	3007.2	2976.2
12.5°	2927.9	2986.5	2910.7	2962.4	2921.0
15°	2896.9	2976.2	2917.6	2855.6	2810.8
17.5°	2872.8	2955.5	2859.0	2710.9	2704.0
20°	2824.6	2869.4	2741.9	2635.1	2600.7
22.5°	2786.7	2838.4	2617.9	2545.6	2535.2
25°	2745.4	2762.6	2538.7	2483.6	2466.3
27.5°	2686.8	2721.3	2445.7	2418.1	2407.8
30°	2638.6	2638.6	2359.6	2359.6	2352.7
32.5°	2586.9	2528.4	2294.1	2297.6	2297.6
35°	2514.6	2418.1	2221.8	2239.0	2239.0
37.5°	2445.7	2283.8	2149.4	2177.0	2180.4
40°	2376.8	2180.4	2080.6	2111.6	1725.8
42.5°	2280.3	2066.8	2008.2	1625.9	1229.7
45°	2204.6	1960.0	1935.9	1181.5	403.0
47.5°	2118.4	1856.7	1860.1	375.5	372.0
50°	2011.7	1749.9	1457.1	354.8	361.7
52.5°	1932.4	1653.4	1026.5	344.5	347.9
55°	1822.2	1546.6	347.9	330.7	327.2
57.5°	1718.9	1446.7	323.8	306.6	292.8
60°	1601.7	1340.0	306.6	272.1	261.8
62.5°	1481.2	1233.2	282.5	241.1	234.2
65°	1357.2	974.8	248.0	213.6	210.1
67.5°	1226.3	640.7	210.1	189.5	186.0
70°	1081.6	251.5	182.6	165.3	158.5
72.5°	930.0	217.0	155.0	141.2	134.3
75°	764.7	179.1	127.5	113.7	110.2
77.5°	609.7	134.3	103.3	89.6	86.1
80°	454.7	99.9	79.2	68.9	65.4
82.5°	310.0	72.3	58.6	48.2	44.8
85°	161.9	48.2	41.3	31.0	27.6
87.5°	62.0	31.0	24.1	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)