

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: P218519

Luminaire Tested: **4SNLED-LD5-64SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218519
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7144.0 lumens
Efficiency: N/A
Efficacy: 130.1 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

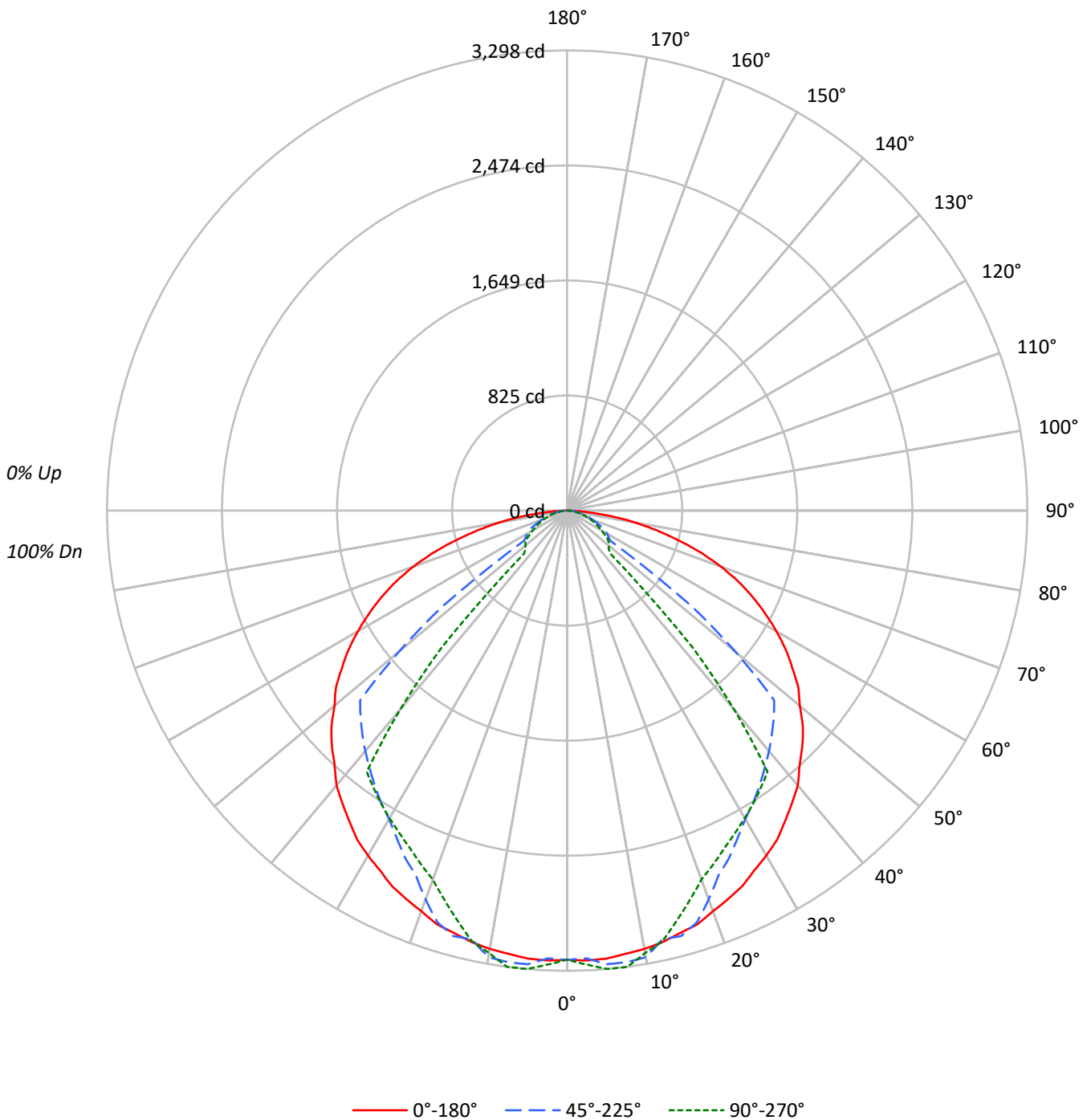
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51878	51878	51878
5°	51946	49602	49051
10°	51809	47054	44782
15°	51700	43973	40004
20°	51612	40109	35369
25°	51793	36344	32350
30°	51858	33322	30022
35°	51990	31191	28023
40°	52252	29258	21353
45°	52167	27480	4968
50°	51966	21041	4476
55°	52261	5153	4096
60°	52075	4696	3341
65°	51380	3965	2756
70°	49454	3077	2155
75°	44557	2290	1568
80°	36907	1536	985
85°	21915	877	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.8	4.4
10°-20°	881.0	12.3
20°-30°	1297.6	18.2
30°-40°	1561.9	21.9
40°-50°	1337.7	18.7
50°-60°	865.6	12.1
60°-70°	575.4	8.1
70°-80°	245.5	3.4
80°-90°	68.6	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°	2489.4	34.8
0°-40°	4051.3	56.7
0°-60°	6254.6	87.5
0°-90°	7144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3220	3220	3220	3220	3220	
5°	3223	3234	3264	3302	3298	306
15°	3134	3220	3156	3089	3041	886
25°	2970	2988	2746	2687	2668	1368
35°	2720	2616	2404	2422	2422	1705
45°	2385	2120	2094	1278	436	1839
55°	1971	1673	376	358	354	1763
65°	1468	1054	268	231	227	1448
75°	827	194	138	123	119	876
85°	175	52	45	34	30	224
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3219.5	3219.5	3219.5	3219.5	3219.5
2.5°	3227.0	3215.8	3212.1	3253.0	3256.8
5°	3223.2	3234.4	3264.2	3301.5	3297.8
7.5°	3204.6	3241.9	3264.2	3320.1	3297.8
10°	3189.7	3256.8	3249.3	3253.0	3219.5
12.5°	3167.3	3230.7	3148.7	3204.6	3159.9
15°	3133.8	3219.5	3156.2	3089.1	3040.6
17.5°	3107.7	3197.2	3092.8	2932.6	2925.1
20°	3055.6	3104.0	2966.1	2850.6	2813.3
22.5°	3014.6	3070.5	2832.0	2753.7	2742.5
25°	2969.8	2988.5	2746.3	2686.7	2668.0
27.5°	2906.5	2943.8	2645.7	2615.9	2604.7
30°	2854.3	2854.3	2552.5	2552.5	2545.1
32.5°	2798.4	2735.1	2481.7	2485.4	2485.4
35°	2720.2	2615.9	2403.5	2422.1	2422.1
37.5°	2645.7	2470.5	2325.2	2355.0	2358.7
40°	2571.1	2358.7	2250.7	2284.2	1866.9
42.5°	2466.8	2235.8	2172.4	1758.8	1330.3
45°	2384.8	2120.3	2094.2	1278.1	436.0
47.5°	2291.7	2008.5	2012.2	406.2	402.4
50°	2176.1	1893.0	1576.2	383.8	391.3
52.5°	2090.4	1788.6	1110.4	372.6	376.4
55°	1971.2	1673.1	376.4	357.7	354.0
57.5°	1859.4	1565.0	350.3	331.6	316.7
60°	1732.7	1449.5	331.6	294.4	283.2
62.5°	1602.3	1334.0	305.6	260.8	253.4
65°	1468.2	1054.5	268.3	231.0	227.3
67.5°	1326.6	693.1	227.3	204.9	201.2
70°	1170.1	272.0	197.5	178.9	171.4
72.5°	1006.1	234.8	167.7	152.8	145.3
75°	827.2	193.8	137.9	123.0	119.2
77.5°	659.6	145.3	111.8	96.9	93.2
80°	491.9	108.1	85.7	74.5	70.8
82.5°	335.4	78.3	63.3	52.2	48.4
85°	175.1	52.2	44.7	33.5	29.8
87.5°	67.1	33.5	26.1	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)