

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-LD5-56SL-SLW-UNV-L950-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 (P27403)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-56SL-SLW-UNV-L950-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

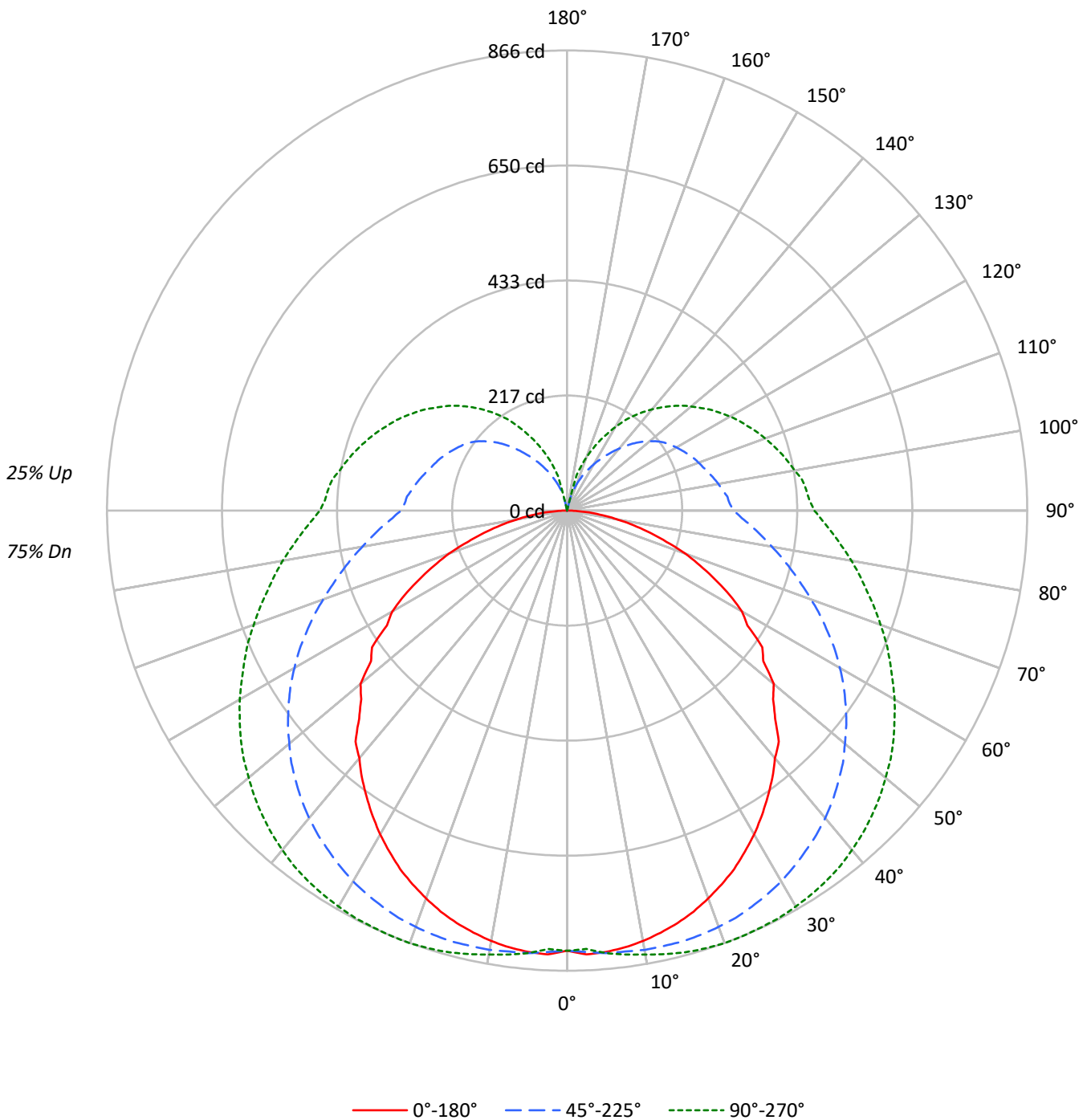
Lumens per Lamp: N/A  
Luminaire Lumens: 4769.0 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 52  
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	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75				
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56				
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44				
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36				
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30				
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25				
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22				
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19				
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17				
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15				
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6693	6693	6693
5°	6745	6615	6566
10°	6712	6555	6529
15°	6666	6520	6542
20°	6603	6491	6554
25°	6539	6467	6565
30°	6451	6448	6600
35°	6350	6423	6645
40°	6255	6419	6689
45°	6135	6406	6741
50°	6152	6390	6794
55°	6046	6391	6876
60°	5825	6396	6970
65°	5503	6403	7099
70°	5146	6449	7300
75°	4513	6600	7593
80°	3811	6919	8084
85°	2835	7562	8798



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.6	1.7
10°-20°	235.9	4.9
20°-30°	375.0	7.9
30°-40°	481.2	10.1
40°-50°	543.4	11.4
50°-60°	554.5	11.6
60°-70°	513.7	10.8
70°-80°	434.9	9.1
80°-90°	347.2	7.3
90°-100°	294.8	6.2
100°-110°	262.6	5.5
110°-120°	223.7	4.7
120°-130°	177.7	3.7
130°-140°	126.0	2.6
140°-150°	75.3	1.6
150°-160°	35.1	0.7
160°-170°	8.3	0.2
170°-180°	0.0	0.0
0°-30°	690.5	14.5
0°-40°	1171.7	24.6
0°-60°	2269.7	47.6
0°-90°	3565.5	74.8
90°-120°	781.1	16.4
90°-150°	1160.1	24.3
90°-180°	1203.0	25.2
0°-180°	4769.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	834	827	836	836	836	79
15°	804	810	839	855	861	227
25°	744	769	822	852	865	343
35°	658	706	782	830	851	412
45°	554	629	722	784	811	430
55°	448	523	640	718	750	394
65°	307	409	541	634	670	305
75°	161	286	438	546	584	172
85°	42	184	350	463	502	45
90°	2	150	313	426	465	3
95°	0	141	303	414	452	0
105°	0	130	276	380	417	0
115°	0	121	251	342	375	0
125°	0	104	223	302	331	0
135°	0	77	179	254	278	0
145°	0	50	126	190	217	0
155°	1	31	77	116	145	1
165°	1	17	35	48	68	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	828.2	828.2	828.2	828.2	828.2
2.5°	836.0	827.0	831.5	830.4	825.9
5°	833.8	827.0	836.0	836.0	836.0
7.5°	829.3	824.8	837.1	841.6	842.7
10°	822.5	822.5	839.4	846.1	848.3
12.5°	813.6	816.9	839.4	849.4	855.0
15°	803.5	810.2	839.4	855.0	860.6
17.5°	791.2	802.4	837.1	856.2	864.0
20°	776.6	793.4	833.8	856.2	866.3
22.5°	760.9	782.2	829.3	853.9	866.3
25°	744.1	768.8	822.5	851.7	865.1
27.5°	723.9	755.3	814.7	848.3	864.0
30°	703.8	739.6	805.7	843.8	860.6
32.5°	681.3	722.8	794.5	837.1	856.2
35°	657.8	706.0	782.2	830.4	850.6
37.5°	634.3	685.8	769.9	821.4	843.8
40°	608.5	665.7	755.3	810.2	833.8
42.5°	589.5	644.4	739.6	799.0	823.7
45°	553.6	628.7	721.7	784.4	811.3
47.5°	525.6	598.4	703.8	769.9	797.9
50°	507.6	573.8	682.5	753.1	782.2
52.5°	465.1	557.0	662.3	736.3	767.6
55°	448.3	523.3	639.9	718.3	749.7
57.5°	402.3	499.8	617.5	698.2	730.7
60°	379.9	467.3	592.8	678.0	711.6
62.5°	345.2	439.3	568.2	655.6	690.3
65°	307.1	409.0	541.3	634.3	670.1
67.5°	271.2	378.8	515.5	611.9	650.0
70°	236.5	347.4	488.6	589.5	627.6
72.5°	196.1	316.0	462.8	568.2	606.3
75°	161.4	285.8	438.2	545.8	583.9
77.5°	127.8	256.6	414.6	525.6	563.7
80°	96.4	228.6	391.1	504.3	543.5
82.5°	67.2	205.1	369.8	484.1	522.2
85°	41.5	183.8	349.6	462.8	502.0
87.5°	19.1	164.7	329.5	442.7	483.0
90°	2.2	150.2	312.7	425.8	465.1
92.5°	1.1	145.7	305.9	418.0	456.1
95°	0.0	141.2	302.6	413.5	451.6
97.5°	0.0	136.7	294.7	406.8	446.0
100°	0.0	134.5	289.1	396.7	434.8
102.5°	0.0	131.1	282.4	387.7	425.8
105°	0.0	130.0	275.7	379.9	416.9
107.5°	0.0	127.8	269.0	369.8	406.8
110°	0.0	125.5	263.3	360.8	396.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	123.3	257.7	351.9	386.6
115°	0.0	121.0	251.0	341.8	375.4
117.5°	0.0	117.7	244.3	331.7	365.3
120°	0.0	113.2	237.6	322.7	354.1
122.5°	0.0	108.7	230.9	311.5	341.8
125°	0.0	104.2	223.0	301.5	330.6
127.5°	0.0	97.5	214.0	290.2	317.1
130°	0.0	90.8	202.8	279.0	304.8
132.5°	1.1	84.0	191.6	266.7	292.5
135°	0.0	77.3	179.3	254.4	277.9
137.5°	0.0	71.7	165.9	240.9	263.3
140°	0.0	65.0	152.4	225.2	248.8
142.5°	0.0	57.2	139.0	208.4	233.1
145°	0.0	50.4	125.5	190.5	217.4
147.5°	1.1	44.8	113.2	171.5	200.6
150°	1.1	40.3	100.9	152.4	181.5
152.5°	1.1	35.9	88.5	134.5	162.5
155°	1.1	31.4	77.3	116.5	144.6
157.5°	1.1	26.9	65.0	98.6	125.5
160°	1.1	23.5	53.8	82.9	107.6
162.5°	1.1	20.2	43.7	65.0	88.5
165°	1.1	16.8	34.7	48.2	68.4
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)