

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: P219451

Luminaire Tested: **SSLED-LD5-30-W-UNV-L840-CD2-UPL-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

**Test Information**

Test Method: LM-79-08  
Report Number: P219451  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-30-W-UNV-L840-CD2-UPL-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS  
Light Source: (240) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27247.3 lumens  
Efficiency: N/A  
Efficacy: 102.3 lumens/watt  
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

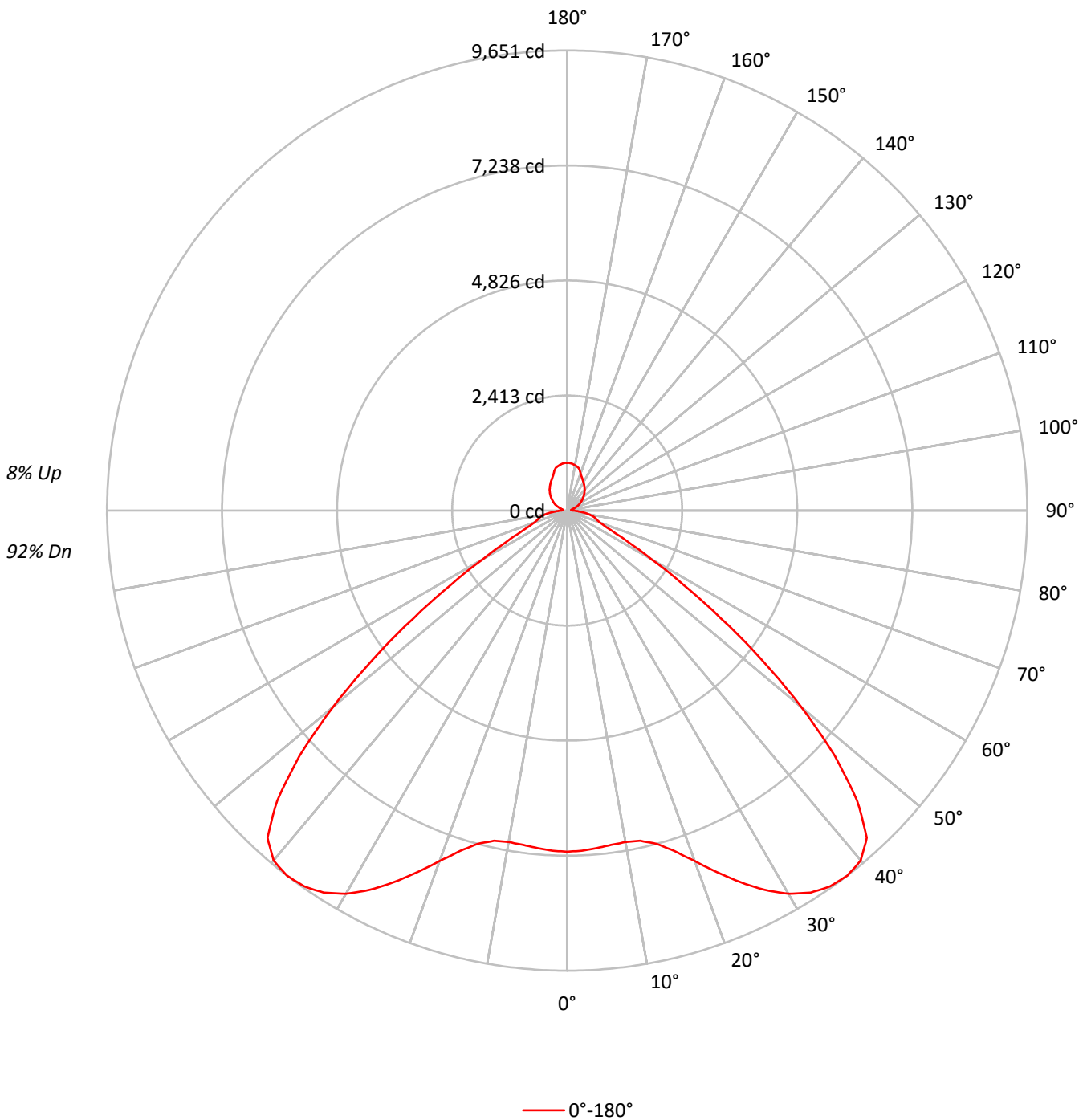
Input Watts (W): 266.35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	92
1	108	104	100	97	105	101	98	95	95	93	90	90	88	86	85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77	81	77	74	76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65	72	67	63	68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56	64	59	55	61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	58	52	48	55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43	52	46	42	50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	43	37	33	42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30	40	34	29	38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	30	26	24

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

	0°
0°	49313
5°	49178
10°	49402
15°	51621
20°	57377
25°	65416
30°	73865
35°	80961
40°	86210
45°	83869
50°	68851
55°	47266
60°	28130
65°	17917
70°	14657
75°	16308
80°	18543
85°	20572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	676.7	2.5
10°-20°	2084.0	7.6
20°-30°	3992.1	14.7
30°-40°	6003.1	22.0
40°-50°	6454.6	23.7
50°-60°	3596.5	13.2
60°-70°	1186.5	4.4
70°-80°	639.8	2.3
80°-90°	308.1	1.1
90°-100°	102.7	0.4
100°-110°	133.8	0.5
110°-120°	247.9	0.9
120°-130°	339.7	1.2
130°-140°	392.7	1.4
140°-150°	393.4	1.4
150°-160°	345.2	1.3
160°-170°	256.8	0.9
170°-180°	93.8	0.3
0°-30°	6752.7	24.8
0°-40°	12755.8	46.8
0°-60°	22806.9	83.7
0°-90°	24941.4	91.5
90°-120°	484.4	1.8
90°-150°	1610.2	5.9
90°-180°	2306.0	8.5
0°-180°	27247.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7154	
5°	7107	677
15°	7233	2084
25°	8600	3992
35°	9620	6003
45°	8603	6455
55°	3933	3597
65°	1098	1186
75°	612	640
85°	260	263
90°	136	75
95°	86	72
105°	121	134
115°	254	248
125°	380	340
135°	510	393
145°	629	393
155°	746	345
165°	927	257
175°	994	94
180°	1001	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7153.5
2.5°	7142.2
5°	7106.8
7.5°	7071.5
10°	7057.6
12.5°	7092.9
15°	7233.1
17.5°	7484.3
20°	7821.4
22.5°	8206.5
25°	8600.4
27.5°	8967.8
30°	9279.6
32.5°	9499.3
35°	9620.5
37.5°	9650.8
40°	9580.1
42.5°	9302.4
45°	8602.9
47.5°	7609.3
50°	6420.0
52.5°	5154.9
55°	3932.8
57.5°	2887.4
60°	2040.3
62.5°	1472.1
65°	1098.4
67.5°	859.8
70°	727.2
72.5°	659.0
75°	612.3
77.5°	554.3
80°	467.1
82.5°	377.5
85°	260.1
87.5°	191.9
90°	136.4
92.5°	85.9
95°	85.9
97.5°	88.4
100°	96.0
102.5°	106.1
105°	121.2
107.5°	142.7
110°	178.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	218.4
115°	253.8
117.5°	284.1
120°	314.4
122.5°	348.5
125°	380.0
127.5°	411.6
130°	444.4
132.5°	477.2
135°	510.1
137.5°	540.4
140°	570.7
142.5°	599.7
145°	628.7
147.5°	656.5
150°	686.8
152.5°	715.9
155°	746.2
157.5°	780.2
160°	825.7
162.5°	883.8
165°	926.7
167.5°	946.9
170°	962.1
172.5°	979.7
175°	993.6
177.5°	999.9
180°	1001.2

(END OF REPORT)