

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: P219347

Luminaire Tested: **SSLED-LD5-30-N-UNV-L850-CD2-SA23-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: P219347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27261)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-30-N-UNV-L850-CD2-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS  
Light Source: (240) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29838.7 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

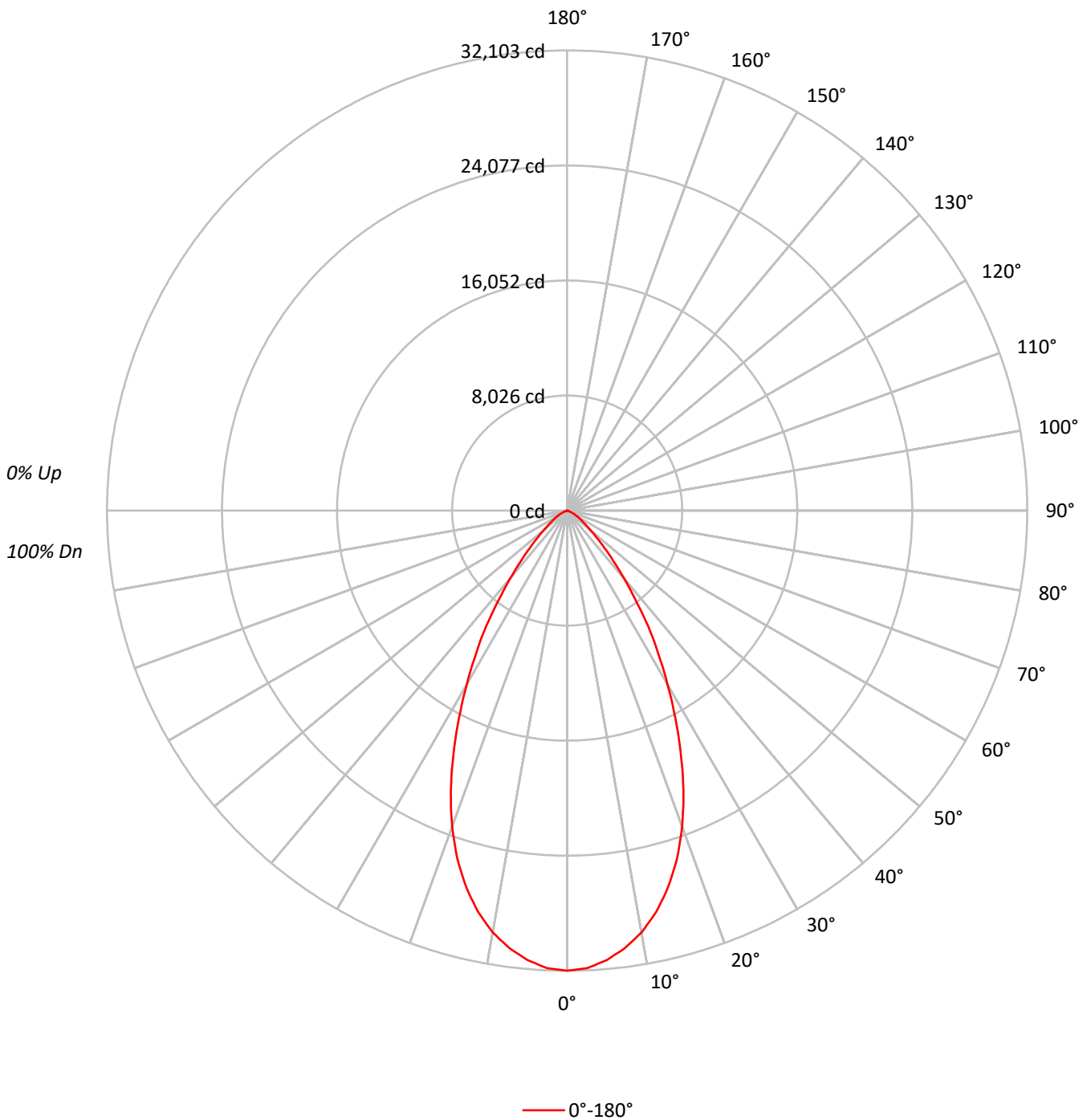
Input Watts (W): 266.35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	89	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	49		56	52	48	47

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

	0°
0°	221303
5°	217841
10°	209163
15°	194179
20°	172053
25°	142766
30°	111493
35°	82907
40°	55240
45°	35756
50°	23076
55°	15701
60°	10900
65°	6968
70°	1917
75°	1249
80°	1243
85°	1748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2954.5	9.9
10°-20°	7562.5	25.3
20°-30°	8556.3	28.7
30°-40°	6111.8	20.5
40°-50°	2937.3	9.8
50°-60°	1215.6	4.1
60°-70°	423.2	1.4
70°-80°	54.7	0.2
80°-90°	22.7	0.1
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°	19073.3	63.9
0°-40°	25185.1	84.4
0°-60°	29338.1	98.3
0°-90°	29838.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29838.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	32103	
5°	31480	###
15°	27208	7563
25°	18770	8556
35°	9852	6112
45°	3668	2937
55°	1306	1216
65°	427	423
75°	47	55
85°	22	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	32103.0
2.5°	31945.4
5°	31480.5
7.5°	30794.1
10°	29881.0
12.5°	28678.9
15°	27208.4
17.5°	25468.3
20°	23453.4
22.5°	21210.6
25°	18769.8
27.5°	16349.8
30°	14006.7
32.5°	11839.4
35°	9851.8
37.5°	7774.4
40°	6138.5
42.5°	4770.9
45°	3667.7
47.5°	2804.2
50°	2151.7
52.5°	1671.1
55°	1306.4
57.5°	1022.4
60°	790.6
62.5°	597.8
65°	427.2
67.5°	255.3
70°	95.1
72.5°	59.9
75°	46.9
77.5°	37.8
80°	31.3
82.5°	27.4
85°	22.1
87.5°	18.2
90°	0.0

(END OF REPORT)