

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: P219368

Luminaire Tested: **SSLED-LD5-30-M-UNV-L850-CD2-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: P219368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-30-M-UNV-L850-CD2-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.  
Light Source: (240) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32081.5 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

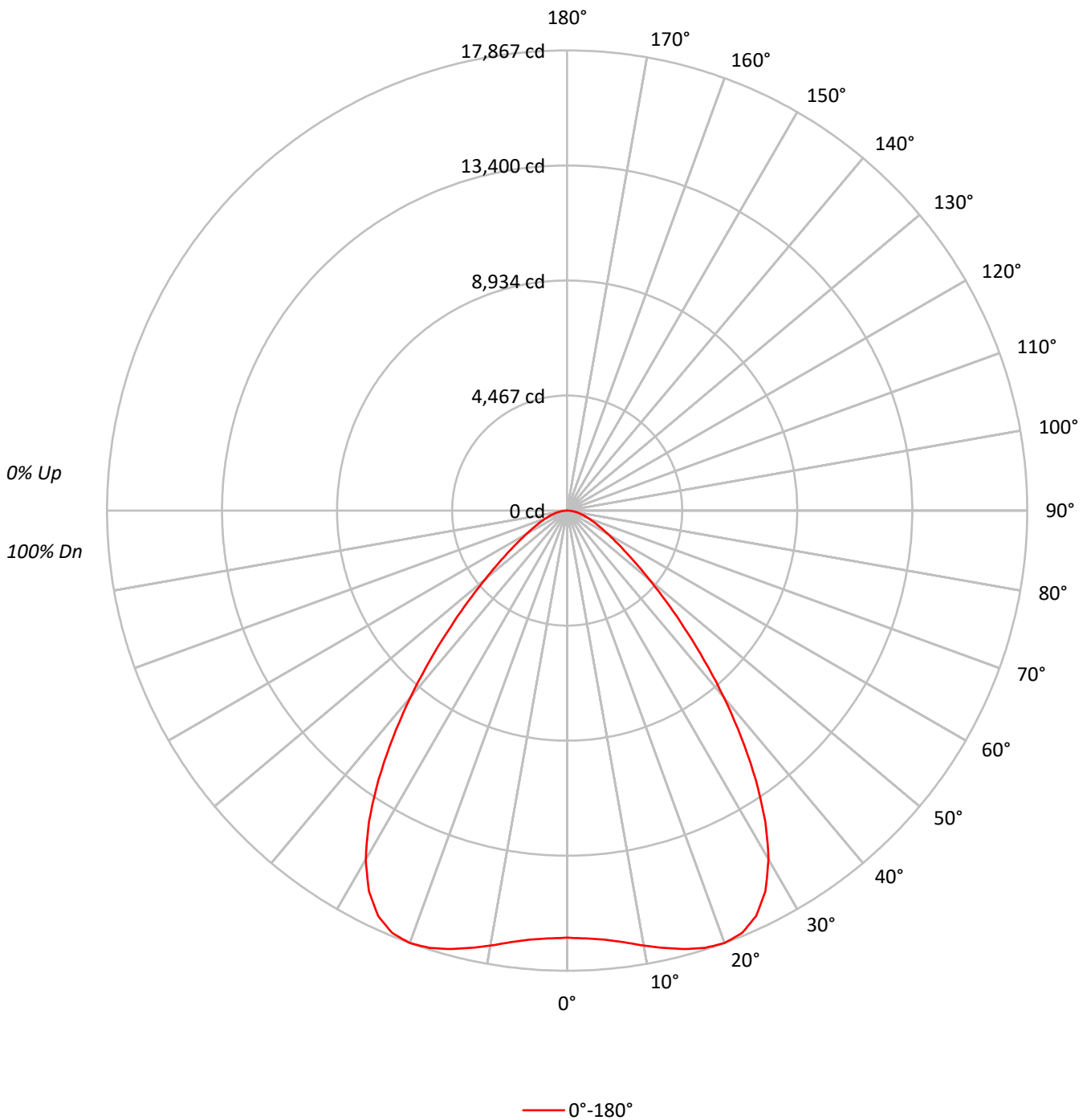
Input Watts (W): 266.35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

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

	0°
0°	114289
5°	115735
10°	120045
15°	125785
20°	131074
25°	132077
30°	124463
35°	107438
40°	85104
45°	62562
50°	44629
55°	32637
60°	25284
65°	20778
70°	17930
75°	16130
80°	14994
85°	14110



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1610.1	5.0
10°-20°	4995.1	15.6
20°-30°	7899.9	24.6
30°-40°	7892.3	24.6
40°-50°	5032.0	15.7
50°-60°	2511.7	7.8
60°-70°	1291.0	4.0
70°-80°	650.3	2.0
80°-90°	199.2	0.6
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°	14505.1	45.2
0°-40°	22397.4	69.8
0°-60°	29941.1	93.3
0°-90°	32081.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32081.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16579	
5°	16725	###
15°	17625	4995
25°	17364	7900
35°	12767	7892
45°	6417	5032
55°	2716	2512
65°	1274	1291
75°	606	650
85°	178	199
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16579.1
2.5°	16626.0
5°	16725.0
7.5°	16902.1
10°	17149.6
12.5°	17394.5
15°	17625.0
17.5°	17803.4
20°	17867.3
22.5°	17747.4
25°	17364.5
27.5°	16663.8
30°	15636.1
32.5°	14321.9
35°	12766.8
37.5°	11107.5
40°	9457.2
42.5°	7870.8
45°	6417.3
47.5°	5183.8
50°	4161.4
52.5°	3349.9
55°	2715.6
57.5°	2223.3
60°	1833.9
62.5°	1523.9
65°	1273.8
67.5°	1066.7
70°	889.6
72.5°	737.2
75°	605.6
77.5°	489.7
80°	377.7
82.5°	276.1
85°	178.4
87.5°	88.6
90°	0.0

(END OF REPORT)