

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: P219470

Luminaire Tested: **SSLED-LD5-24-W-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: P219470  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27263)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SSLED-LD5-24-W-UNV-L850-CD2-SA23-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 23553.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

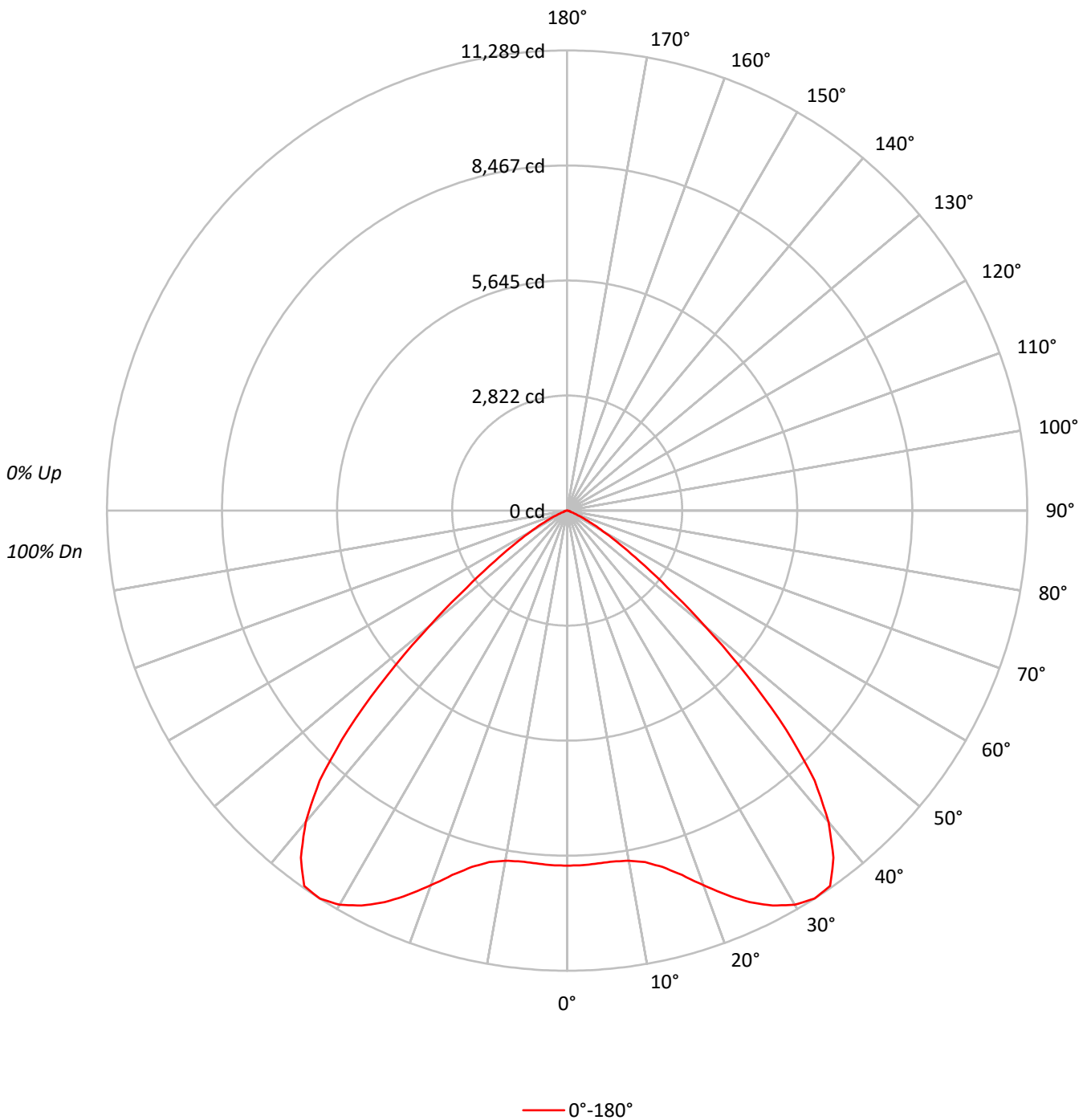
Input Watts (W): 190.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	72	67	88	78	72	67	76	70	66		74	69	65		72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66	61	57	55
6	77	66	58	52	75	65	57	52	63	56	52		61	56	51		60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	65	54	47	42	53	46	41		52	46	41		50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37		48	42	37		47	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	38	34	32

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

	0°
0°	60045
5°	60110
10°	61050
15°	64587
20°	71737
25°	80642
30°	88868
35°	94628
40°	89748
45°	74099
50°	47269
55°	25955
60°	14050
65°	6598
70°	2074
75°	1617
80°	1675
85°	1788



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	830.0	3.5
10°-20°	2602.4	11.0
20°-30°	4902.3	20.8
30°-40°	6869.9	29.2
40°-50°	5701.2	24.2
50°-60°	2099.7	8.9
60°-70°	455.5	1.9
70°-80°	67.7	0.3
80°-90°	24.2	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°	8334.7	35.4
0°-40°	15204.6	64.6
0°-60°	23005.5	97.7
0°-90°	23553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8710	
5°	8687	830
15°	9050	2602
25°	10602	4902
35°	11244	6870
45°	7601	5701
55°	2160	2100
65°	404	456
75°	61	68
85°	23	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8710.3
2.5°	8707.2
5°	8686.6
7.5°	8681.5
10°	8721.6
12.5°	8829.7
15°	9050.0
17.5°	9374.2
20°	9778.8
22.5°	10202.9
25°	10602.2
27.5°	10923.4
30°	11164.3
32.5°	11288.8
35°	11244.5
37.5°	10730.9
40°	9973.3
42.5°	8986.2
45°	7600.7
47.5°	5982.5
50°	4407.6
52.5°	3103.5
55°	2159.6
57.5°	1512.1
60°	1019.1
62.5°	673.2
65°	404.5
67.5°	220.3
70°	102.9
72.5°	73.1
75°	60.7
77.5°	50.4
80°	42.2
82.5°	34.0
85°	22.6
87.5°	11.3
90°	0.0

(END OF REPORT)