

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: P219426

Luminaire Tested: **SSLED-LD5-24-W-UNV-L835-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: P219426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)  
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-L835-CD2-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.  
Light Source: (240) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22735.2 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

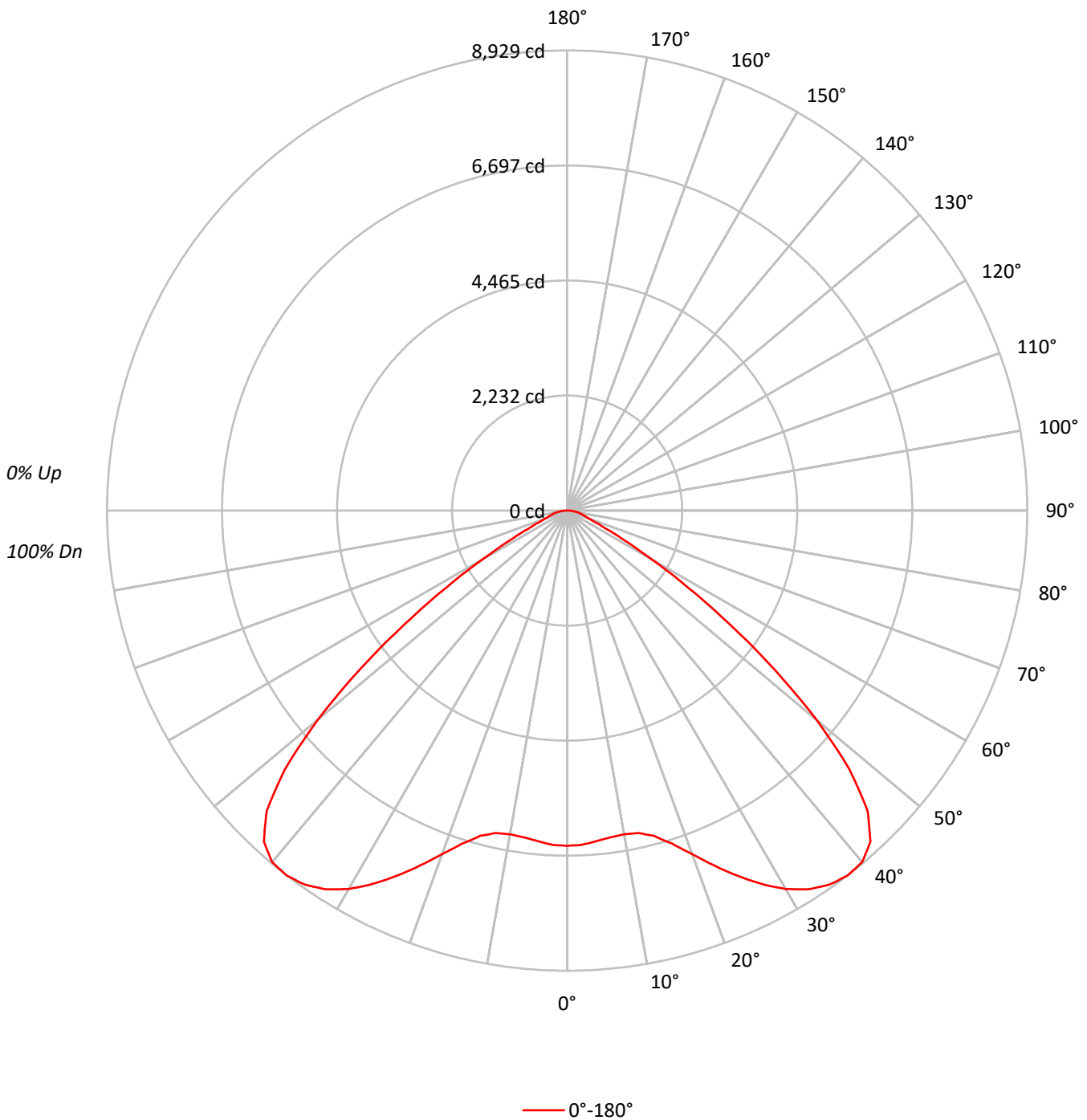
Input Watts (W): 190.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

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

	0°
0°	44838
5°	44583
10°	44635
15°	46646
20°	52047
25°	59470
30°	67487
35°	74591
40°	80140
45°	80371
50°	67733
55°	46329
60°	26149
65°	13574
70°	8895
75°	8225
80°	8519
85°	8487



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	612.7	2.7
10°-20°	1885.3	8.3
20°-30°	3632.3	16.0
30°-40°	5533.0	24.3
40°-50°	6167.3	27.1
50°-60°	3510.6	15.4
60°-70°	943.7	4.2
70°-80°	333.6	1.5
80°-90°	116.8	0.5
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°	6130.3	27.0
0°-40°	11663.2	51.3
0°-60°	21341.1	93.9
0°-90°	22735.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22735.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6504	
5°	6443	613
15°	6536	1885
25°	7819	3632
35°	8864	5533
45°	8244	6167
55°	3855	3511
65°	832	944
75°	309	334
85°	107	117
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6504.3
2.5°	6490.3
5°	6442.7
7.5°	6395.1
10°	6376.5
12.5°	6407.2
15°	6536.0
17.5°	6776.7
20°	7094.8
22.5°	7453.0
25°	7818.7
27.5°	8167.6
30°	8478.3
32.5°	8712.5
35°	8863.6
37.5°	8928.9
40°	8905.6
42.5°	8711.5
45°	8244.1
47.5°	7427.8
50°	6315.8
52.5°	5079.7
55°	3854.8
57.5°	2782.9
60°	1896.6
62.5°	1257.6
65°	832.2
67.5°	580.3
70°	441.3
72.5°	362.0
75°	308.8
77.5°	265.9
80°	214.6
82.5°	158.6
85°	107.3
87.5°	56.0
90°	0.0

(END OF REPORT)