

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: P219434

Luminaire Tested: **SSLED-LD5-36-W-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: P219434  
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-LD5-36-W-UNV-L850-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) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37034.9 lumens  
Efficiency: N/A  
Efficacy: 110.9 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

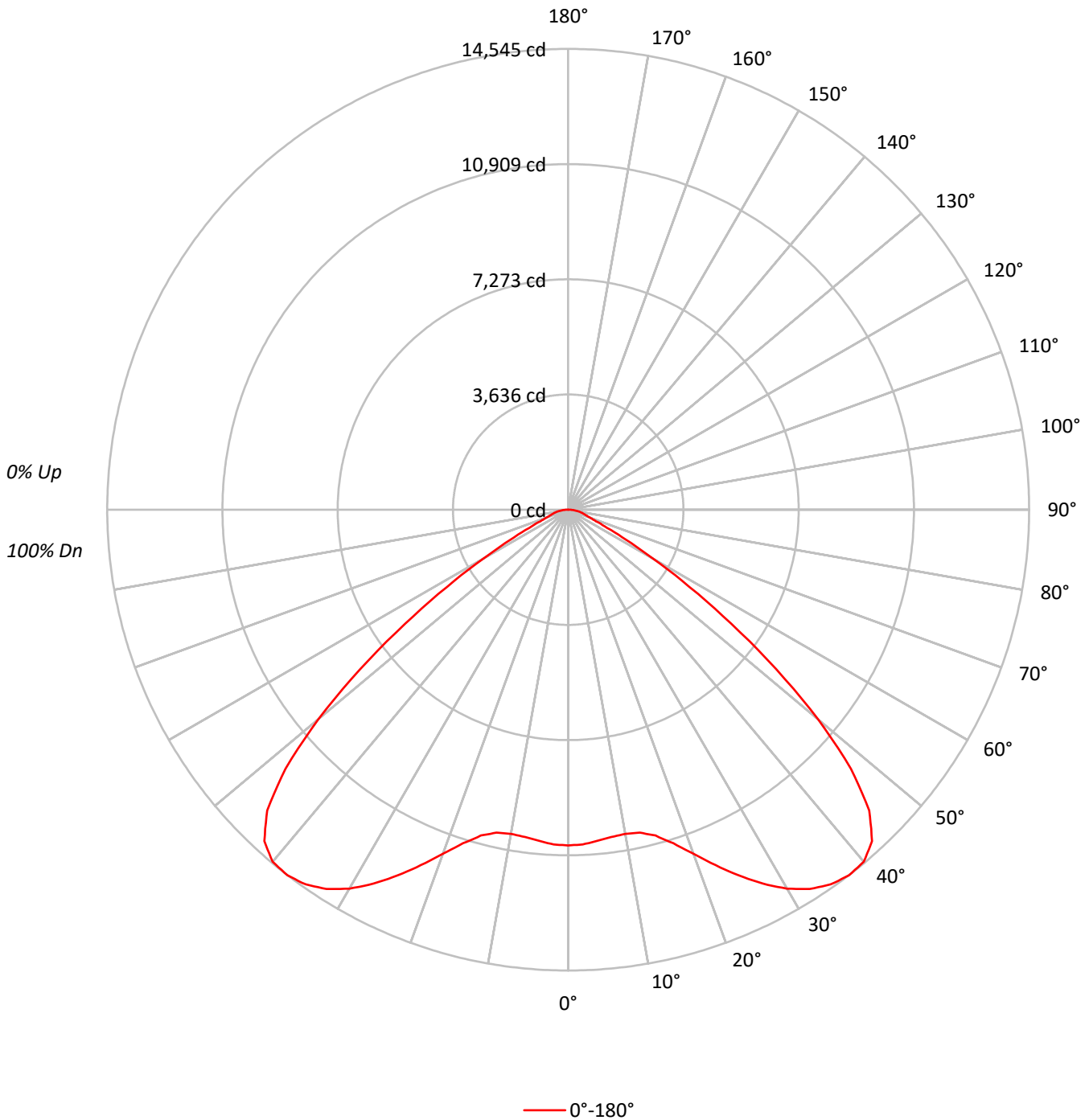
Input Watts (W): 333.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	73039
5°	72624
10°	72708
15°	75985
20°	84784
25°	96877
30°	109935
35°	121507
40°	130547
45°	130923
50°	110336
55°	75469
60°	42595
65°	22112
70°	14488
75°	13397
80°	13875
85°	13826



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	998.0	2.7
10°-20°	3071.1	8.3
20°-30°	5917.0	16.0
30°-40°	9013.1	24.3
40°-50°	10046.4	27.1
50°-60°	5718.6	15.4
60°-70°	1537.1	4.2
70°-80°	543.4	1.5
80°-90°	190.2	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°	9986.1	27.0
0°-40°	18999.2	51.3
0°-60°	34764.1	93.9
0°-90°	37034.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37034.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10595	
5°	10495	998
15°	10647	3071
25°	12737	5917
35°	14439	9013
45°	13430	10046
55°	6279	5719
65°	1356	1537
75°	503	543
85°	175	190
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10595.3
2.5°	10572.5
5°	10495.0
7.5°	10417.5
10°	10387.1
12.5°	10437.3
15°	10647.0
17.5°	11039.1
20°	11557.3
22.5°	12140.8
25°	12736.6
27.5°	13304.9
30°	13811.0
32.5°	14192.4
35°	14438.6
37.5°	14545.0
40°	14507.0
42.5°	14190.9
45°	13429.5
47.5°	12099.8
50°	10288.3
52.5°	8274.7
55°	6279.4
57.5°	4533.2
60°	3089.5
62.5°	2048.5
65°	1355.6
67.5°	945.2
70°	718.8
72.5°	589.6
75°	503.0
77.5°	433.1
80°	349.5
82.5°	258.3
85°	174.8
87.5°	91.2
90°	0.0

(END OF REPORT)