

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: P219370

Luminaire Tested: **SSLED-LD5-36-M-UNV-L840-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: P219370  
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-LD5-36-M-UNV-L840-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) 4000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36284.2 lumens  
Efficiency: N/A  
Efficacy: 108.7 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

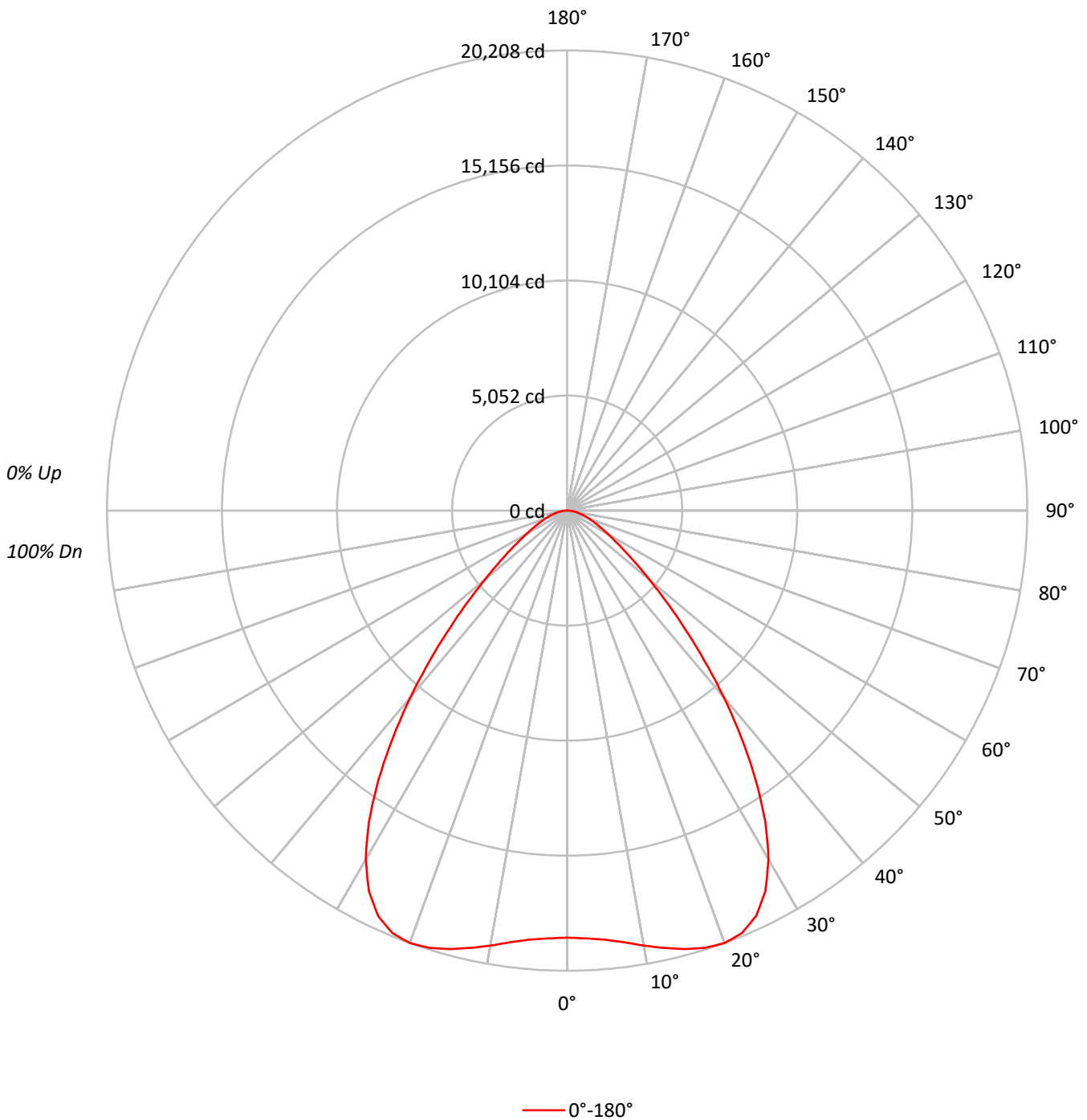
Input Watts (W): 333.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	129260
5°	130896
10°	135770
15°	142262
20°	148243
25°	149379
30°	140767
35°	121512
40°	96253
45°	70757
50°	50475
55°	36914
60°	28596
65°	23500
70°	20278
75°	18245
80°	16959
85°	15961



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1821.0	5.0
10°-20°	5649.4	15.6
20°-30°	8934.8	24.6
30°-40°	8926.2	24.6
40°-50°	5691.2	15.7
50°-60°	2840.7	7.8
60°-70°	1460.1	4.0
70°-80°	735.5	2.0
80°-90°	225.3	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°	16405.2	45.2
0°-40°	25331.4	69.8
0°-60°	33863.3	93.3
0°-90°	36284.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36284.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18751	
5°	18916	###
15°	19934	5649
25°	19639	8935
35°	14439	8926
45°	7258	5691
55°	3071	2841
65°	1441	1460
75°	685	736
85°	202	225
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18750.9
2.5°	18803.9
5°	18915.9
7.5°	19116.2
10°	19396.1
12.5°	19673.1
15°	19933.8
17.5°	20135.6
20°	20207.8
22.5°	20072.3
25°	19639.2
27.5°	18846.7
30°	17684.4
32.5°	16198.1
35°	14439.2
37.5°	12562.5
40°	10696.1
42.5°	8901.9
45°	7257.9
47.5°	5862.9
50°	4706.5
52.5°	3788.8
55°	3071.4
57.5°	2514.6
60°	2074.1
62.5°	1723.5
65°	1440.7
67.5°	1206.5
70°	1006.1
72.5°	833.8
75°	685.0
77.5°	553.9
80°	427.2
82.5°	312.3
85°	201.8
87.5°	100.2
90°	0.0

(END OF REPORT)