

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: P219433

Luminaire Tested: **SSLED-LD5-36-W-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: P219433
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-L840-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) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35899.7 lumens
Efficiency: N/A
Efficacy: 107.5 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

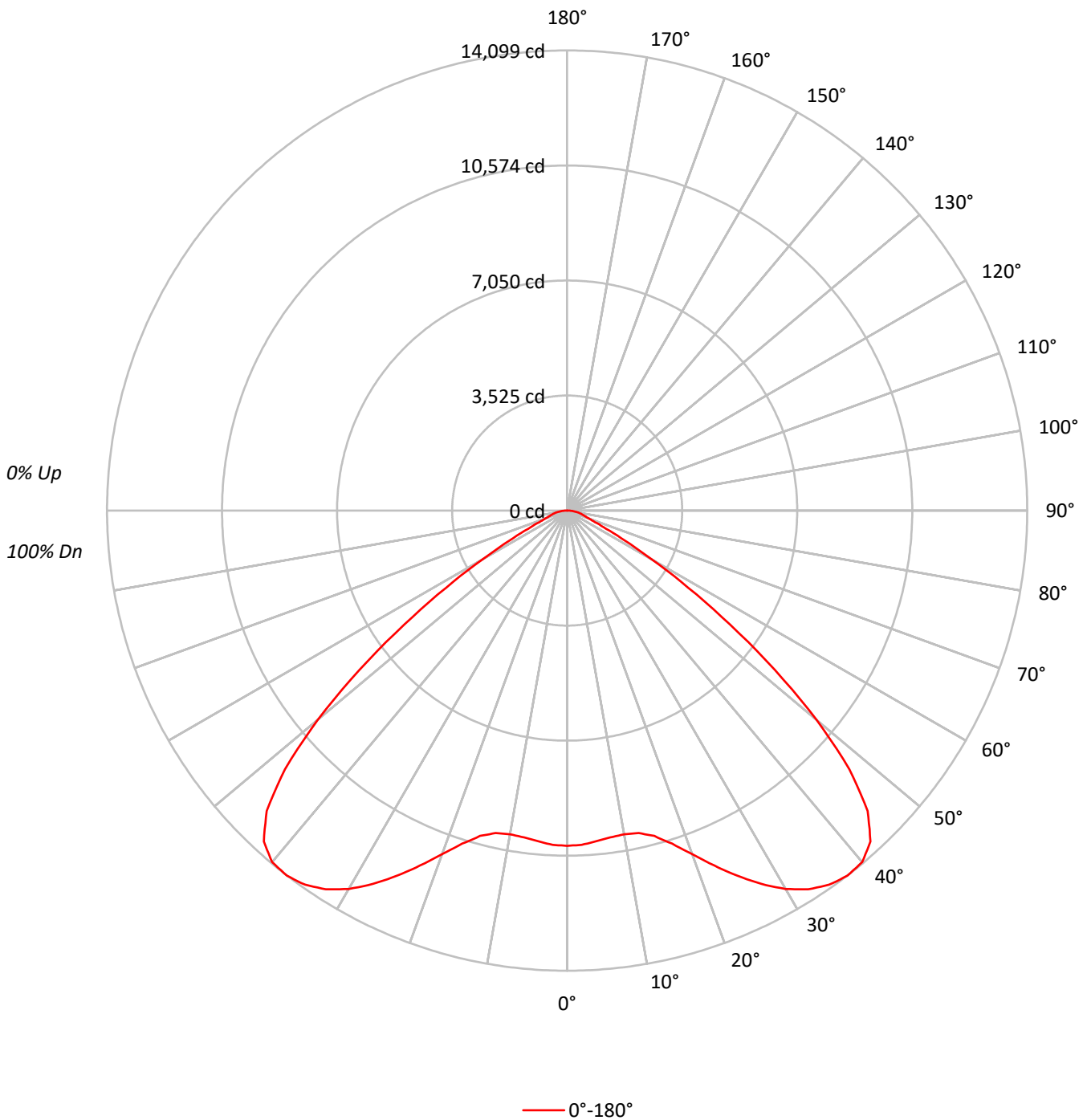
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	70800
5°	70398
10°	70480
15°	73655
20°	82185
25°	93907
30°	106565
35°	117783
40°	126545
45°	126910
50°	106954
55°	73156
60°	41290
65°	21433
70°	14044
75°	12987
80°	13450
85°	13399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	967.4	2.7
10°-20°	2976.9	8.3
20°-30°	5735.6	16.0
30°-40°	8736.7	24.3
40°-50°	9738.4	27.1
50°-60°	5543.3	15.4
60°-70°	1490.0	4.2
70°-80°	526.8	1.5
80°-90°	184.4	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°	9680.0	27.0
0°-40°	18416.7	51.3
0°-60°	33698.4	93.9
0°-90°	35899.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35899.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10270	
5°	10173	967
15°	10321	2977
25°	12346	5736
35°	13996	8737
45°	13018	9738
55°	6087	5543
65°	1314	1490
75°	488	527
85°	169	184
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10270.5
2.5°	10248.4
5°	10173.3
7.5°	10098.1
10°	10068.7
12.5°	10117.3
15°	10320.6
17.5°	10700.6
20°	11203.0
22.5°	11768.6
25°	12346.1
27.5°	12897.0
30°	13387.6
32.5°	13757.3
35°	13996.0
37.5°	14099.1
40°	14062.3
42.5°	13755.9
45°	13017.8
47.5°	11728.9
50°	9972.9
52.5°	8021.1
55°	6086.9
57.5°	4394.3
60°	2994.8
62.5°	1985.7
65°	1314.0
67.5°	916.3
70°	696.8
72.5°	571.6
75°	487.6
77.5°	419.8
80°	338.8
82.5°	250.4
85°	169.4
87.5°	88.4
90°	0.0

(END OF REPORT)