

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: P219475

Luminaire Tested: **SSLED-LD5-36-W-UNV-L840-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: P219475
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-LD5-36-W-UNV-L840-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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33707.6 lumens
Efficiency: N/A
Efficacy: 101.0 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

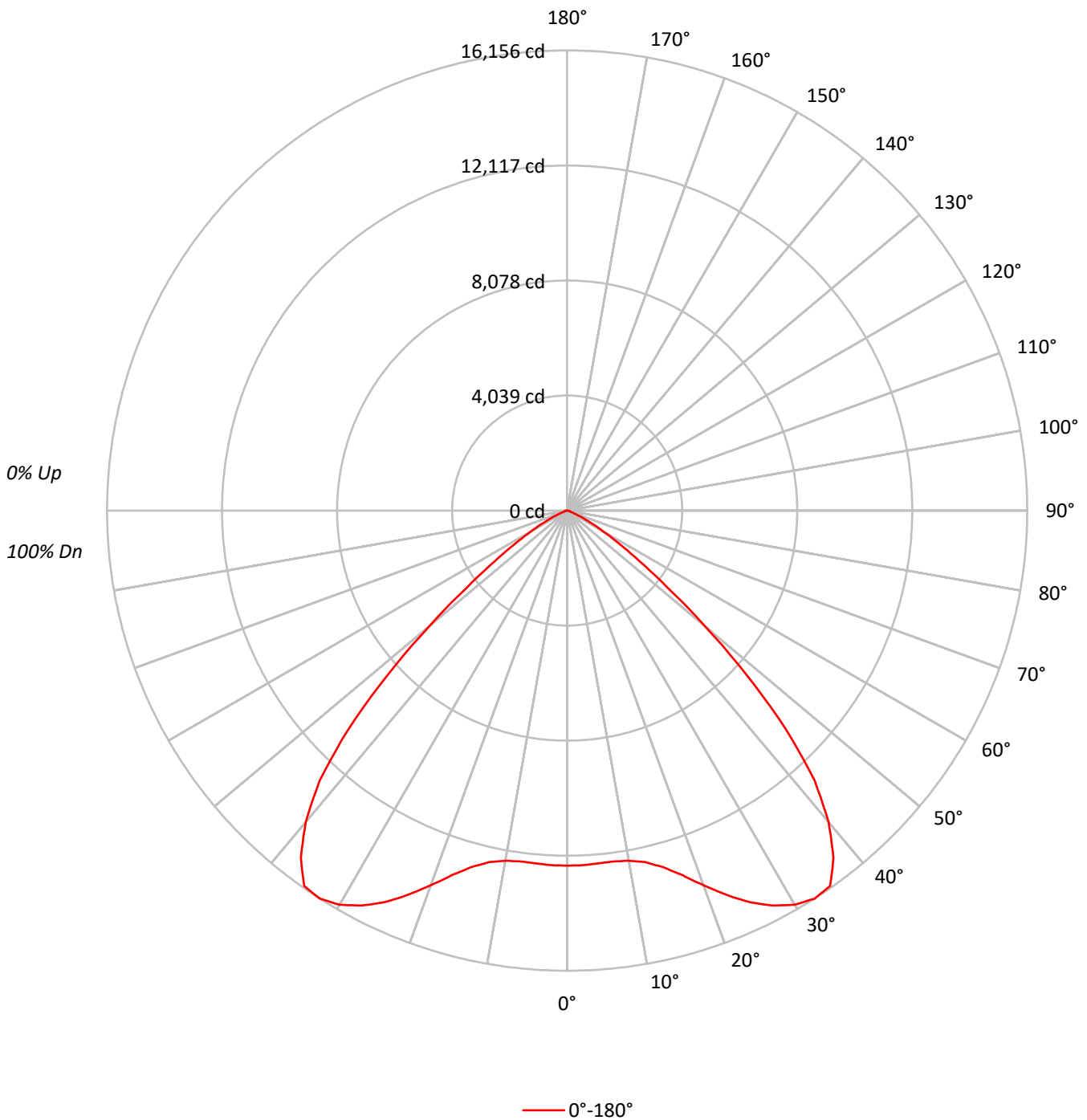
Input Watts (W): 333.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	85933
5°	86026
10°	87372
15°	92433
20°	102665
25°	115411
30°	127181
35°	135426
40°	128443
45°	106045
50°	67650
55°	37144
60°	20107
65°	9443
70°	2969
75°	2315
80°	2398
85°	2563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1187.9	3.5
10°-20°	3724.3	11.0
20°-30°	7015.9	20.8
30°-40°	9831.7	29.2
40°-50°	8159.3	24.2
50°-60°	3005.0	8.9
60°-70°	651.9	1.9
70°-80°	96.9	0.3
80°-90°	34.7	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°	11928.1	35.4
0°-40°	21759.9	64.6
0°-60°	32924.1	97.7
0°-90°	33707.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33707.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12466	
5°	12432	###
15°	12952	3724
25°	15173	7016
35°	16092	9832
45°	10878	8159
55°	3091	3005
65°	579	652
75°	87	97
85°	32	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12465.7
2.5°	12461.2
5°	12431.8
7.5°	12424.4
10°	12481.9
12.5°	12636.6
15°	12951.8
17.5°	13415.8
20°	13994.8
22.5°	14601.7
25°	15173.3
27.5°	15632.9
30°	15977.6
32.5°	16155.9
35°	16092.5
37.5°	15357.4
40°	14273.2
42.5°	12860.5
45°	10877.6
47.5°	8561.9
50°	6308.0
52.5°	4441.5
55°	3090.6
57.5°	2164.0
60°	1458.4
62.5°	963.4
65°	578.9
67.5°	315.3
70°	147.3
72.5°	104.6
75°	86.9
77.5°	72.2
80°	60.4
82.5°	48.6
85°	32.4
87.5°	16.2
90°	0.0

(END OF REPORT)