

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: P219409

Luminaire Tested: **SSLED-LD5-30-M-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: P219409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27262)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-30-M-UNV-L840-CD2-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM 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: 29369.6 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.15
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

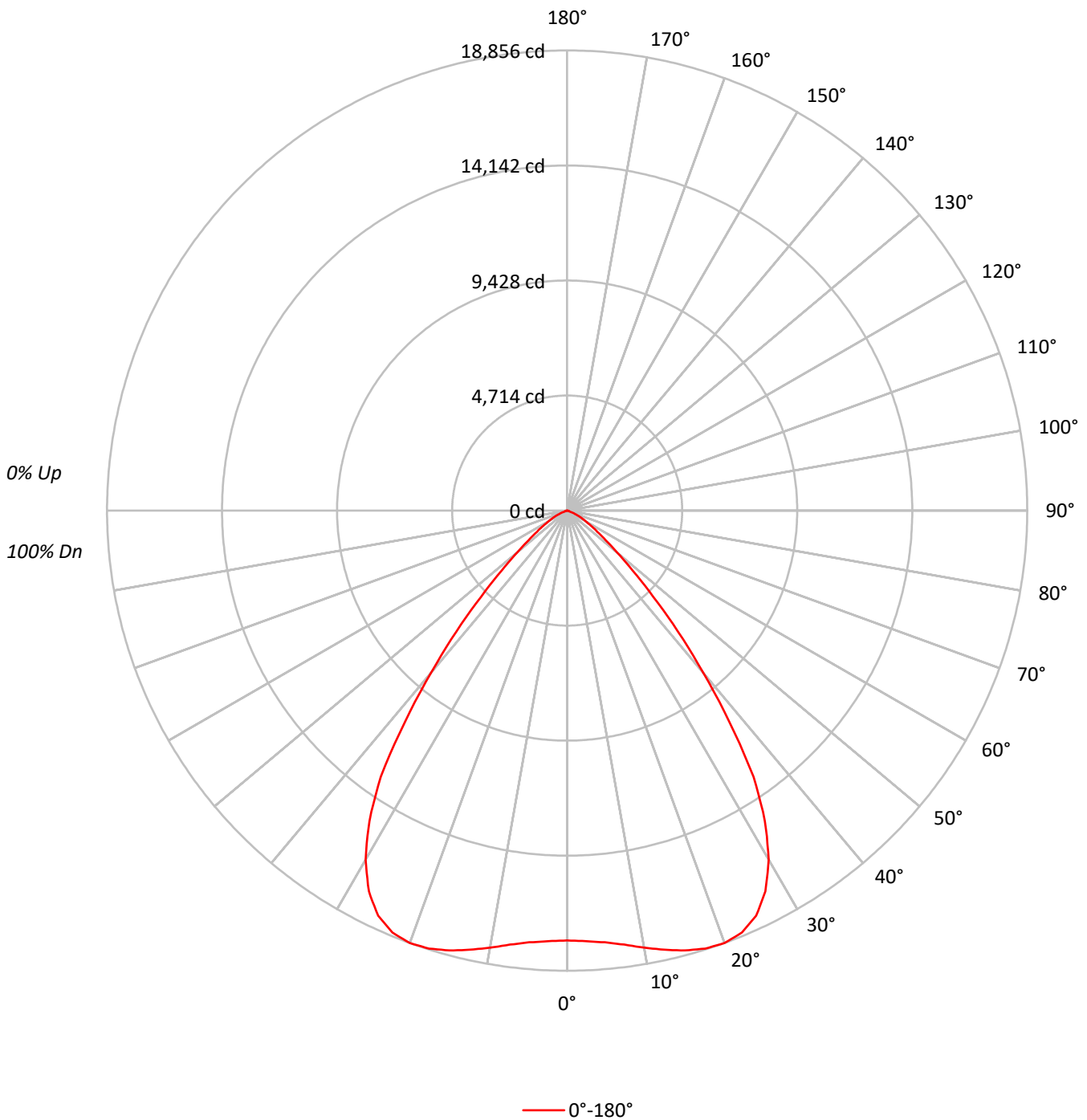
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	92	104	98	94	91	95	92	88		92	89	87		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66	62	58	56
7	77	66	59	54	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121421
5°	122872
10°	127280
15°	133156
20°	138327
25°	139351
30°	131472
35°	112039
40°	77838
45°	48606
50°	28542
55°	18057
60°	12219
65°	7764
70°	2163
75°	1481
80°	1505
85°	2001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1708.8	5.8
10°-20°	5284.5	18.0
20°-30°	8337.1	28.4
30°-40°	8053.9	27.4
40°-50°	3998.6	13.6
50°-60°	1423.9	4.8
60°-70°	474.0	1.6
70°-80°	64.1	0.2
80°-90°	24.8	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°	15330.4	52.2
0°-40°	23384.2	79.6
0°-60°	28806.8	98.1
0°-90°	29369.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29369.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17614	
5°	17756	###
15°	18658	5284
25°	18321	8337
35°	13314	8054
45°	4986	3999
55°	1502	1424
65°	476	474
75°	56	64
85°	25	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17613.7
2.5°	17659.2
5°	17756.4
7.5°	17938.2
10°	18183.1
12.5°	18429.3
15°	18657.9
17.5°	18816.9
20°	18856.1
22.5°	18714.7
25°	18320.8
27.5°	17594.8
30°	16516.6
32.5°	15086.1
35°	13313.5
37.5°	10926.1
40°	8649.7
42.5°	6710.4
45°	4985.8
47.5°	3632.3
50°	2661.4
52.5°	1983.5
55°	1502.4
57.5°	1155.2
60°	886.3
62.5°	670.4
65°	476.0
67.5°	286.6
70°	107.3
72.5°	69.4
75°	55.6
77.5°	45.5
80°	37.9
82.5°	32.8
85°	25.3
87.5°	13.9
90°	0.0

(END OF REPORT)