

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: P219346

Luminaire Tested: **SSLED-LD5-30-N-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: P219346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27261)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-30-N-UNV-L840-CD2-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW 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: 28924.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

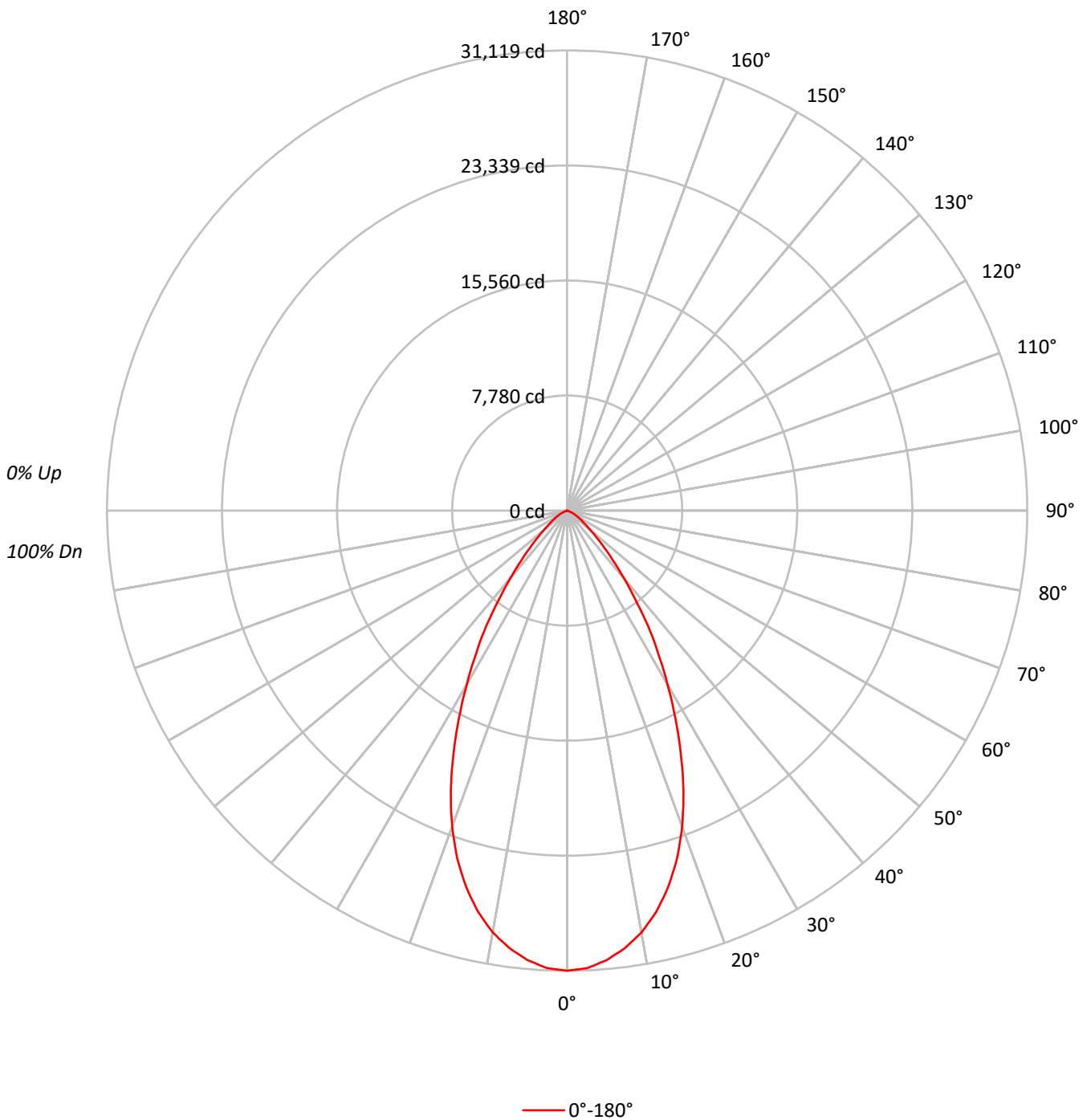
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76		82	78	75		80	77	74	72
5	90	81	75	70	89	80	74	70	78	73	69		77	72	69		75	71	68	67
6	85	76	69	65	84	75	69	65	74	68	64		72	67	64		71	67	63	62
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49		57	52	49		56	52	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	214519
5°	211163
10°	202752
15°	188226
20°	166778
25°	138389
30°	108075
35°	80366
40°	53546
45°	34660
50°	22368
55°	15219
60°	10566
65°	6755
70°	1858
75°	1212
80°	1203
85°	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2863.9	9.9
10°-20°	7330.7	25.3
20°-30°	8294.0	28.7
30°-40°	5924.5	20.5
40°-50°	2847.2	9.8
50°-60°	1178.3	4.1
60°-70°	410.3	1.4
70°-80°	53.1	0.2
80°-90°	22.0	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°	18488.6	63.9
0°-40°	24413.0	84.4
0°-60°	28438.6	98.3
0°-90°	28924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28924.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31119	
5°	30515	###
15°	26374	7331
25°	18194	8294
35°	9550	5924
45°	3555	2847
55°	1266	1178
65°	414	410
75°	46	53
85°	22	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	31118.9
2.5°	30966.1
5°	30515.4
7.5°	29850.0
10°	28965.0
12.5°	27799.7
15°	26374.3
17.5°	24687.5
20°	22734.4
22.5°	20560.3
25°	18194.3
27.5°	15848.6
30°	13577.3
32.5°	11476.4
35°	9549.8
37.5°	7536.0
40°	5950.3
42.5°	4624.7
45°	3555.3
47.5°	2718.2
50°	2085.7
52.5°	1619.8
55°	1266.3
57.5°	991.1
60°	766.4
62.5°	579.5
65°	414.1
67.5°	247.5
70°	92.2
72.5°	58.1
75°	45.5
77.5°	36.6
80°	30.3
82.5°	26.5
85°	21.5
87.5°	17.7
90°	0.0

(END OF REPORT)