

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: P219305

Luminaire Tested: **SSLED-LD5-30-N-UNV-L850-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: P219305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27366)
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-L850-CD2-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH NARROW DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 5000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31530.6 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.84
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

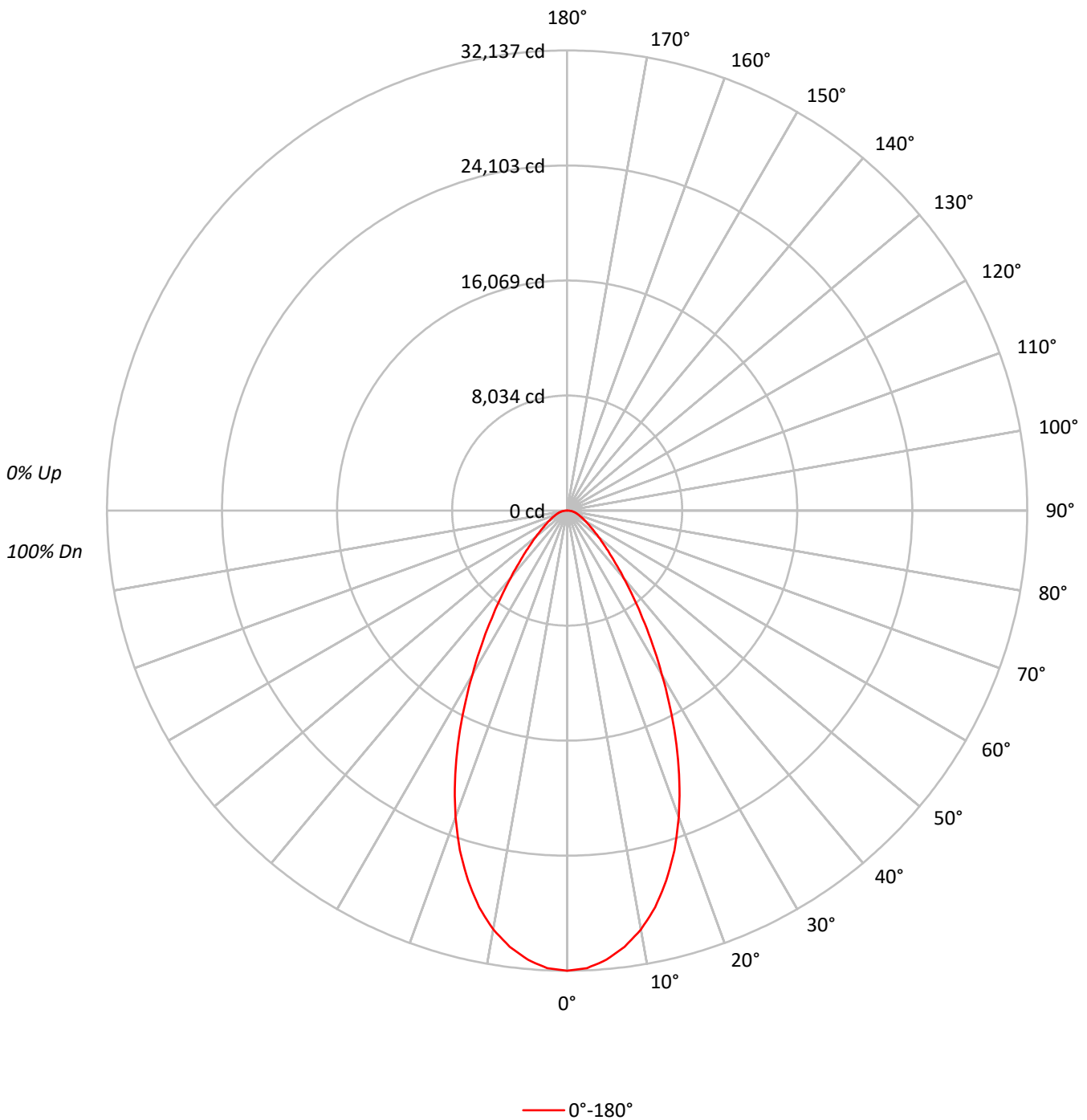
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	95	90	103	98	93	89	94	91	87		91	88	86		88	86	84	82
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82	79	76	75
4	93	84	78	73	91	83	77	72	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65		73	69	65		72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63	59	55	54
8	74	64	57	52	73	63	57	52	62	56	52		61	55	52		60	55	51	50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221536
5°	217903
10°	207904
15°	190904
20°	167158
25°	137302
30°	105338
35°	77353
40°	55253
45°	40176
50°	30494
55°	24186
60°	20310
65°	18080
70°	16880
75°	16548
80°	17011
85°	18548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2949.1	9.4
10°-20°	7431.2	23.6
20°-30°	8217.7	26.1
30°-40°	5802.6	18.4
40°-50°	3265.6	10.4
50°-60°	1842.9	5.8
60°-70°	1113.7	3.5
70°-80°	661.2	2.1
80°-90°	246.5	0.8
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°	18598.0	59.0
0°-40°	24400.7	77.4
0°-60°	29509.1	93.6
0°-90°	31530.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31530.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32137	
5°	31489	###
15°	26750	7431
25°	18051	8218
35°	9192	5803
45°	4121	3266
55°	2012	1843
65°	1108	1114
75°	621	661
85°	234	247
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	32136.8
2.5°	31981.8
5°	31489.4
7.5°	30727.4
10°	29701.1
12.5°	28382.9
15°	26749.6
17.5°	24897.4
20°	22786.1
22.5°	20484.5
25°	18051.4
27.5°	15598.8
30°	13233.5
32.5°	11102.6
35°	9191.8
37.5°	7522.0
40°	6140.0
42.5°	5018.6
45°	4121.1
47.5°	3413.9
50°	2843.4
52.5°	2382.3
55°	2012.4
57.5°	1715.4
60°	1473.1
62.5°	1275.2
65°	1108.4
67.5°	965.2
70°	837.5
72.5°	725.5
75°	621.3
77.5°	526.2
80°	428.5
82.5°	332.1
85°	234.5
87.5°	125.0
90°	0.0

(END OF REPORT)