

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: P219410

Luminaire Tested: **SSLED-LD5-30-M-UNV-L850-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: P219410
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-L850-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) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30298.4 lumens
Efficiency: N/A
Efficacy: 113.8 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

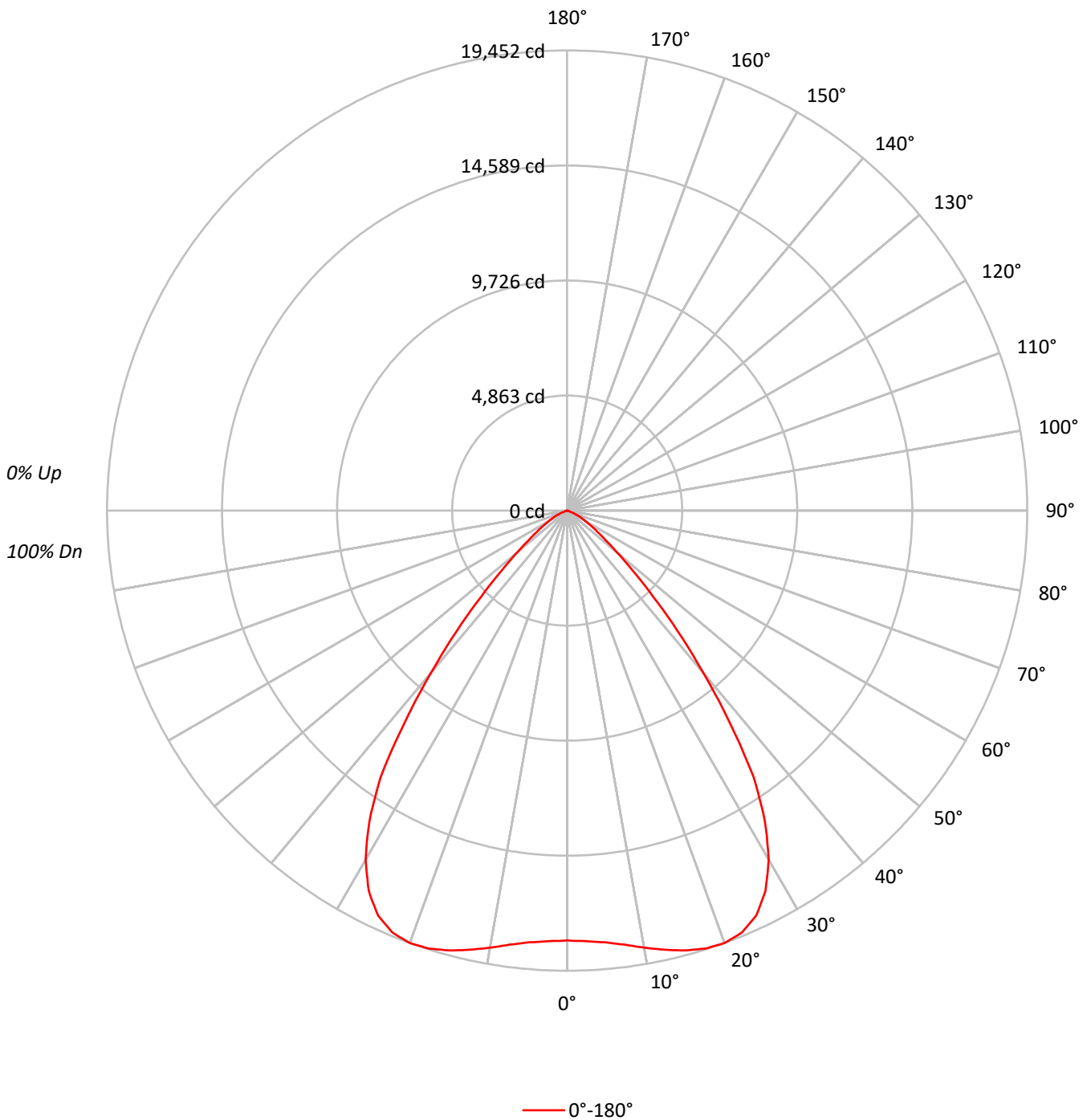
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	125261
5°	126758
10°	131305
15°	137367
20°	142702
25°	143758
30°	135629
35°	115583
40°	80299
45°	50144
50°	29445
55°	18627
60°	12606
65°	8009
70°	2231
75°	1526
80°	1552
85°	2056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1762.8	5.8
10°-20°	5451.6	18.0
20°-30°	8600.8	28.4
30°-40°	8308.6	27.4
40°-50°	4125.1	13.6
50°-60°	1469.0	4.8
60°-70°	489.0	1.6
70°-80°	66.1	0.2
80°-90°	25.5	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°	15815.2	52.2
0°-40°	24123.8	79.6
0°-60°	29717.9	98.1
0°-90°	30298.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30298.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18171	
5°	18318	###
15°	19248	5452
25°	18900	8601
35°	13735	8309
45°	5144	4125
55°	1550	1469
65°	491	489
75°	57	66
85°	26	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18170.8
2.5°	18217.7
5°	18318.0
7.5°	18505.5
10°	18758.2
12.5°	19012.2
15°	19247.9
17.5°	19412.1
20°	19452.4
22.5°	19306.6
25°	18900.2
27.5°	18151.3
30°	17038.9
32.5°	15563.2
35°	13734.6
37.5°	11271.6
40°	8923.2
42.5°	6922.6
45°	5143.5
47.5°	3747.2
50°	2745.6
52.5°	2046.2
55°	1549.9
57.5°	1191.8
60°	914.3
62.5°	691.6
65°	491.0
67.5°	295.7
70°	110.7
72.5°	71.6
75°	57.3
77.5°	46.9
80°	39.1
82.5°	33.9
85°	26.0
87.5°	14.3
90°	0.0

(END OF REPORT)