

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: P219473

Luminaire Tested: **SSLED-LD5-30-W-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: P219473
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-LD5-30-W-UNV-L850-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) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29803.5 lumens
Efficiency: N/A
Efficacy: 111.9 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

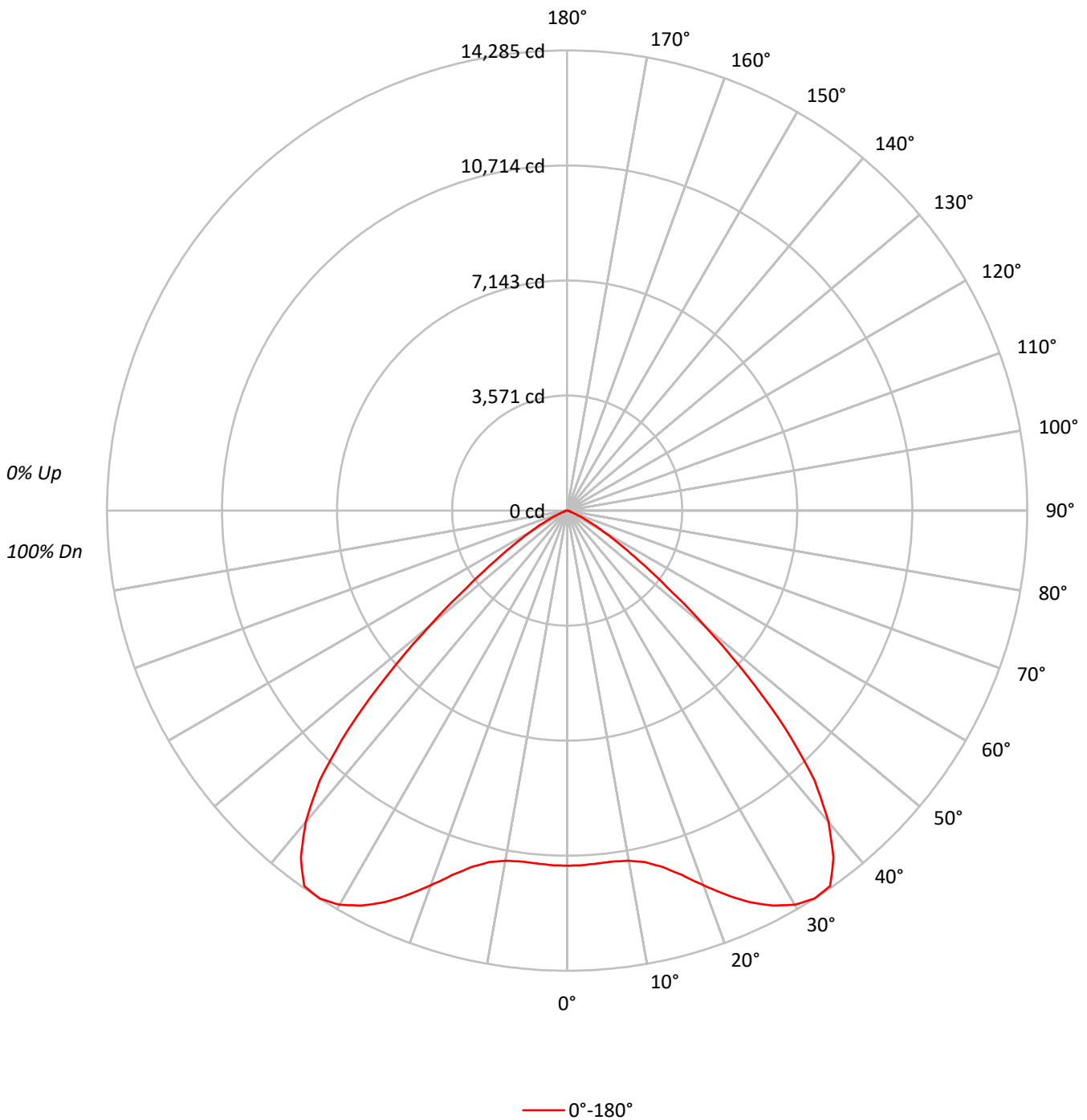
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	75980
5°	76063
10°	77252
15°	81728
20°	90774
25°	102044
30°	112451
35°	119740
40°	113566
45°	93762
50°	59814
55°	32843
60°	17778
65°	8350
70°	2626
75°	2046
80°	2120
85°	2270



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.3	3.5
10°-20°	3293.0	11.0
20°-30°	6203.3	20.8
30°-40°	8693.0	29.2
40°-50°	7214.2	24.2
50°-60°	2657.0	8.9
60°-70°	576.4	1.9
70°-80°	85.7	0.3
80°-90°	30.7	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°	10546.6	35.4
0°-40°	19239.6	64.6
0°-60°	29110.8	97.7
0°-90°	29803.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29803.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11022	
5°	10992	###
15°	11452	3293
25°	13416	6203
35°	14229	8693
45°	9618	7214
55°	2733	2657
65°	512	576
75°	77	86
85°	29	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11021.9
2.5°	11017.9
5°	10991.9
7.5°	10985.4
10°	11036.2
12.5°	11172.9
15°	11451.7
17.5°	11862.0
20°	12373.9
22.5°	12910.5
25°	13415.9
27.5°	13822.2
30°	14127.0
32.5°	14284.6
35°	14228.6
37.5°	13578.7
40°	12620.0
42.5°	11370.9
45°	9617.7
47.5°	7570.2
50°	5577.4
52.5°	3927.1
55°	2732.7
57.5°	1913.4
60°	1289.5
62.5°	851.8
65°	511.9
67.5°	278.7
70°	130.3
72.5°	92.5
75°	76.8
77.5°	63.8
80°	53.4
82.5°	43.0
85°	28.7
87.5°	14.3
90°	0.0

(END OF REPORT)