

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: P219367

Luminaire Tested: **SSLED-LD5-30-M-UNV-L840-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: P219367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27367)
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-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH MEDIUM DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND.
Light Source: (240) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31098.1 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

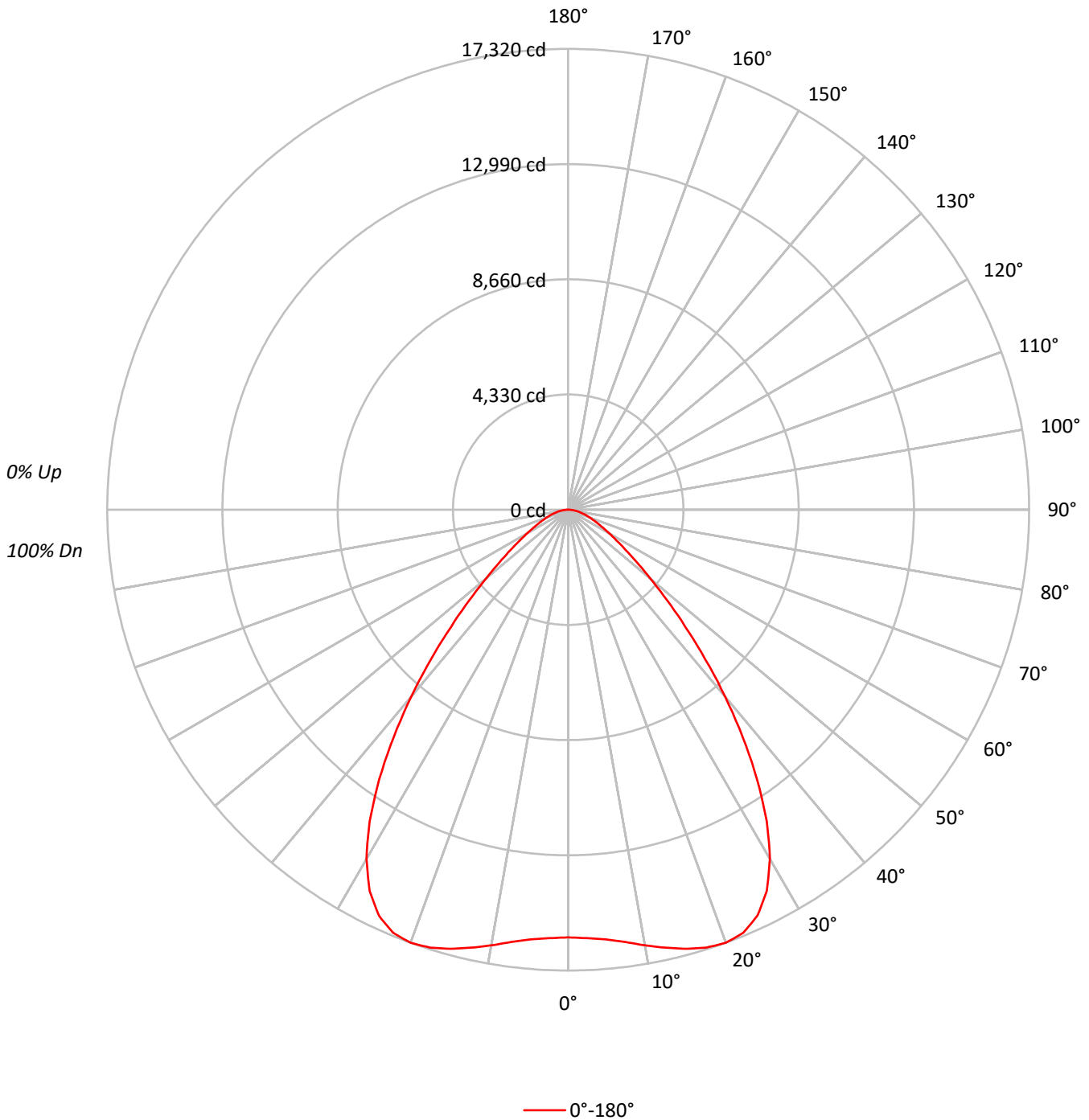
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	73	68	88	79	73	68	77	71	67		75	70	66		73	69	65	63
5	84	74	66	61	82	73	66	60	71	64	60		69	63	59		67	62	59	57
6	79	67	60	55	77	67	60	54	65	59	54		63	58	54		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	57	50	45	68	57	50	45	56	49	45		54	49	44		53	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	44	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110785
5°	112187
10°	116365
15°	121929
20°	127055
25°	128029
30°	120648
35°	104145
40°	82495
45°	60643
50°	43260
55°	31638
60°	24509
65°	20141
70°	17380
75°	15637
80°	14534
85°	13683



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1560.7	5.0
10°-20°	4842.0	15.6
20°-30°	7657.8	24.6
30°-40°	7650.4	24.6
40°-50°	4877.7	15.7
50°-60°	2434.7	7.8
60°-70°	1251.4	4.0
70°-80°	630.4	2.0
80°-90°	193.1	0.6
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°	14060.4	45.2
0°-40°	21710.8	69.8
0°-60°	29023.2	93.3
0°-90°	31098.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31098.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16071	
5°	16212	###
15°	17085	4842
25°	16832	7658
35°	12375	7650
45°	6220	4878
55°	2632	2435
65°	1235	1251
75°	587	630
85°	173	193
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16070.9
2.5°	16116.3
5°	16212.3
7.5°	16384.0
10°	16623.9
12.5°	16861.2
15°	17084.7
17.5°	17257.6
20°	17319.5
22.5°	17203.4
25°	16832.2
27.5°	16152.9
30°	15156.8
32.5°	13882.9
35°	12375.4
37.5°	10766.9
40°	9167.3
42.5°	7629.5
45°	6220.5
47.5°	5024.9
50°	4033.8
52.5°	3247.3
55°	2632.4
57.5°	2155.2
60°	1777.7
62.5°	1477.2
65°	1234.8
67.5°	1034.0
70°	862.3
72.5°	714.6
75°	587.1
77.5°	474.7
80°	366.1
82.5°	267.7
85°	173.0
87.5°	85.9
90°	0.0

(END OF REPORT)