

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: P219304

Luminaire Tested: **SSLED-LD5-30-N-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: P219304
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-L840-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) 4000K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30564.1 lumens
Efficiency: N/A
Efficacy: 114.8 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

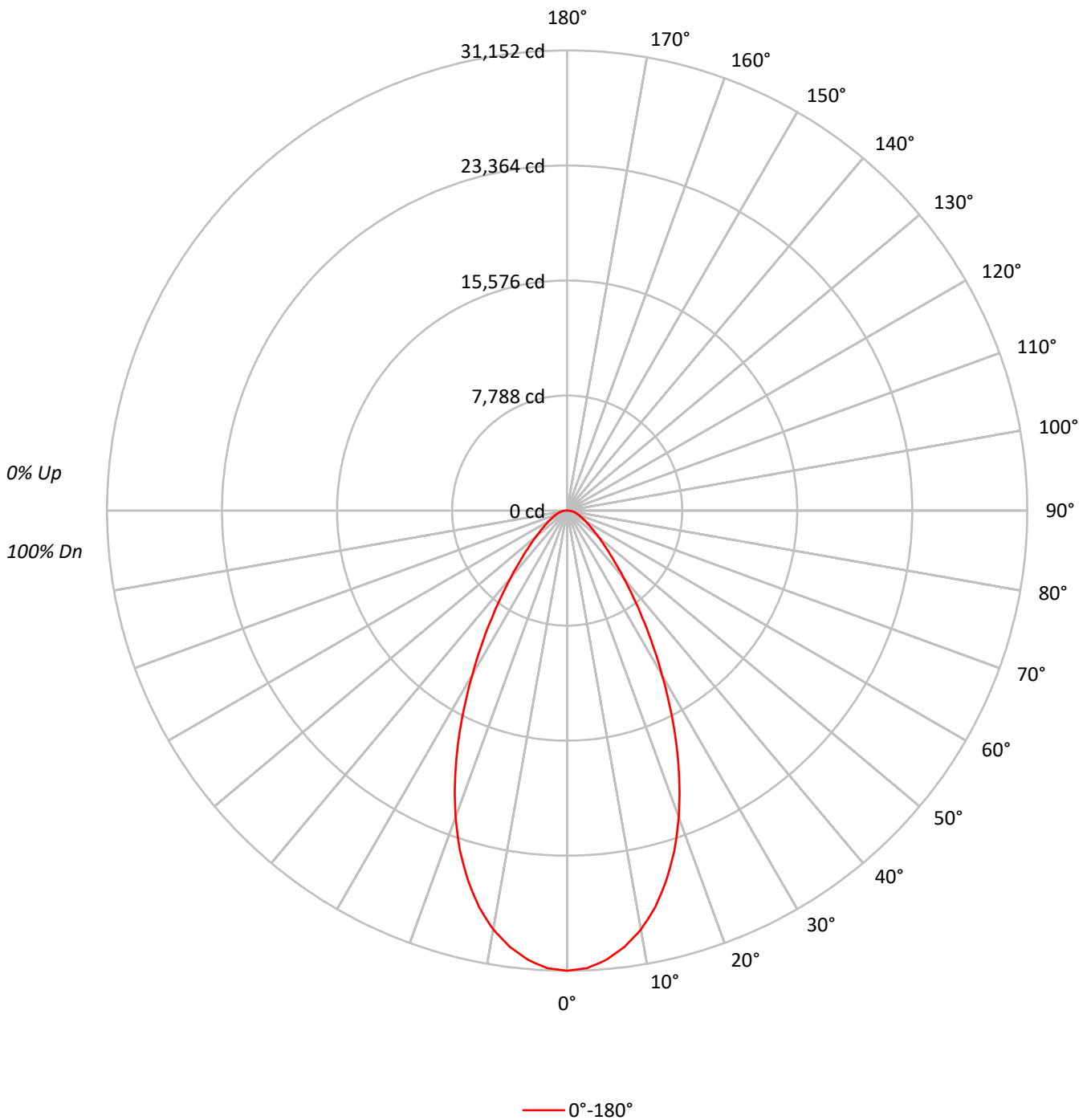
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	214745
5°	211223
10°	201530
15°	185051
20°	162033
25°	133094
30°	102109
35°	74982
40°	53560
45°	38945
50°	29559
55°	23445
60°	19688
65°	17527
70°	16362
75°	16039
80°	16491
85°	17978



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2858.7	9.4
10°-20°	7203.3	23.6
20°-30°	7965.8	26.1
30°-40°	5624.7	18.4
40°-50°	3165.5	10.4
50°-60°	1786.4	5.8
60°-70°	1079.6	3.5
70°-80°	640.9	2.1
80°-90°	239.0	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°	18027.9	59.0
0°-40°	23652.6	77.4
0°-60°	28604.5	93.6
0°-90°	30564.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30564.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31152	
5°	30524	###
15°	25930	7203
25°	17498	7966
35°	8910	5625
45°	3995	3166
55°	1951	1786
65°	1074	1080
75°	602	641
85°	227	239
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	31151.6
2.5°	31001.3
5°	30524.1
7.5°	29785.4
10°	28790.5
12.5°	27512.8
15°	25929.5
17.5°	24134.2
20°	22087.5
22.5°	19856.5
25°	17498.1
27.5°	15120.6
30°	12827.8
32.5°	10762.2
35°	8910.0
37.5°	7291.4
40°	5951.8
42.5°	4864.7
45°	3994.8
47.5°	3309.2
50°	2756.2
52.5°	2309.3
55°	1950.7
57.5°	1662.8
60°	1428.0
62.5°	1236.1
65°	1074.5
67.5°	935.6
70°	811.8
72.5°	703.3
75°	602.2
77.5°	510.1
80°	415.4
82.5°	322.0
85°	227.3
87.5°	121.2
90°	0.0

(END OF REPORT)