

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: P219431

Luminaire Tested: **SSLED-LD5-30-W-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: P219431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27368)  
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-U  
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE 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: 31741.6 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Spacing Criteria (0/90/45): 1.9 / 1.9 / 1.7  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

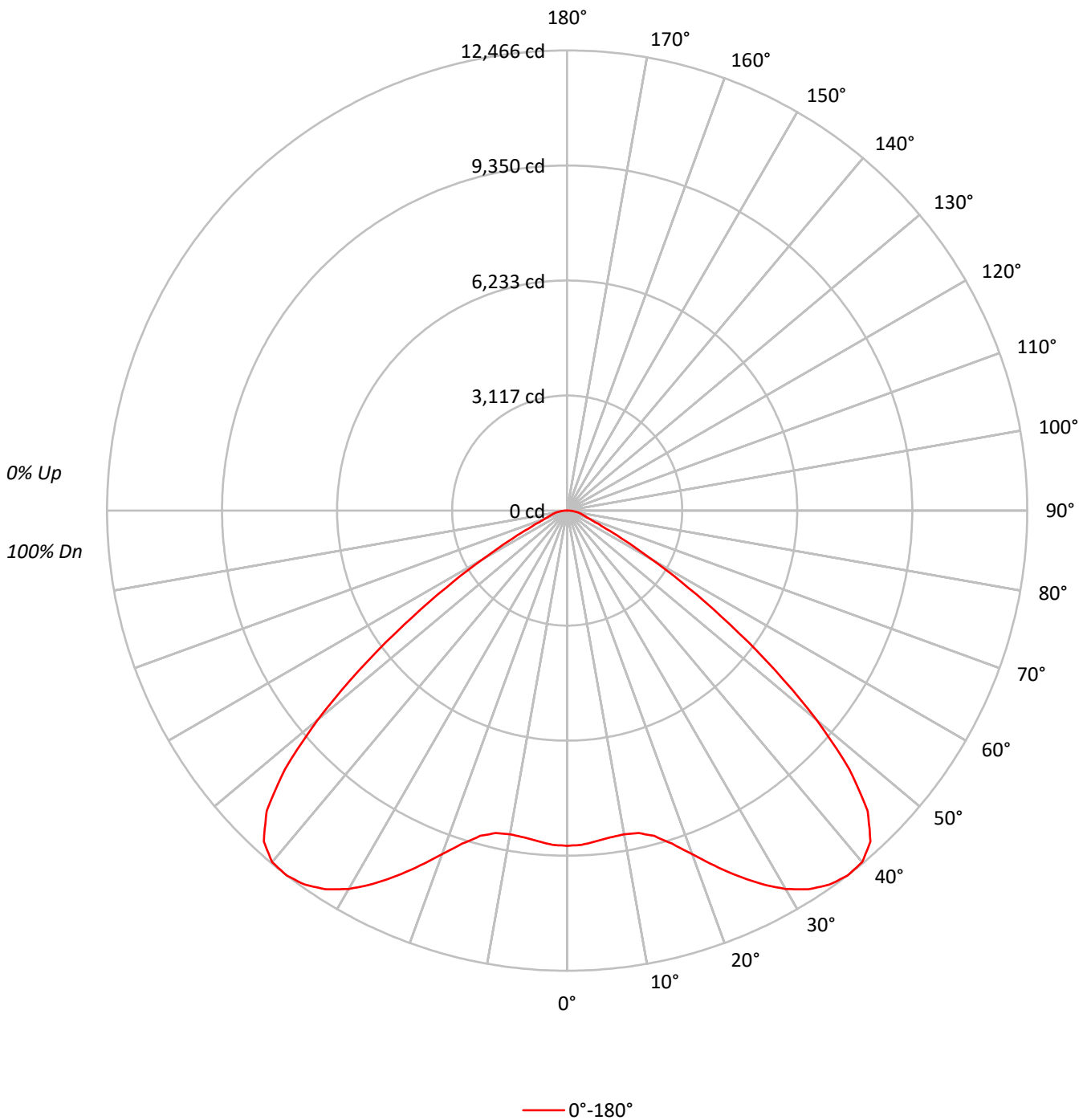
Input Watts (W): 266.35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P219431

CATALOG NUMBER: SSLED-LD5-30-W-UNV-L850-CD2-U

### Luminous Intensity Polar Plot





TEST NUMBER: P219431

CATALOG NUMBER: SSLED-LD5-30-W-UNV-L850-CD2-U

**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	111	107	103	100	108	105	101	99	100	98	95		97	95	93		93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	77	72	92	83	76	71	80	74	70		77	73	69		75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	63	59	57
5	79	67	59	53	77	66	59	53	64	57	52		62	56	52		61	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	46	41	66	54	46	40	52	45	40		51	45	40		50	44	40	38
8	63	50	41	36	61	49	41	36	48	41	36		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	54	42	34	29	53	41	34	29	40	33	28		39	33	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	62600
5°	62244
10°	62316
15°	65124
20°	72666
25°	83030
30°	94222
35°	104140
40°	111888
45°	112211
50°	94566
55°	64682
60°	36508
65°	18951
70°	12418
75°	11482
80°	11894
85°	11848



TEST NUMBER: P219431

CATALOG NUMBER: SSLED-LD5-30-W-UNV-L850-CD2-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.4	2.7
10°-20°	2632.1	8.3
20°-30°	5071.3	16.0
30°-40°	7724.8	24.3
40°-50°	8610.5	27.1
50°-60°	4901.3	15.4
60°-70°	1317.4	4.2
70°-80°	465.8	1.5
80°-90°	163.0	0.5
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°	8558.8	27.0
0°-40°	16283.6	51.3
0°-60°	29795.4	93.9
0°-90°	31741.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31741.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9081	
5°	8995	855
15°	9125	2632
25°	10916	5071
35°	12375	7725
45°	11510	8610
55°	5382	4901
65°	1162	1317
75°	431	466
85°	150	163
90°	0	



TEST NUMBER: P219431

CATALOG NUMBER: SSLED-LD5-30-W-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9080.9
2.5°	9061.4
5°	8995.0
7.5°	8928.5
10°	8902.5
12.5°	8945.5
15°	9125.2
17.5°	9461.3
20°	9905.4
22.5°	10405.6
25°	10916.1
27.5°	11403.3
30°	11837.0
32.5°	12163.9
35°	12374.9
37.5°	12466.1
40°	12433.5
42.5°	12162.6
45°	11510.1
47.5°	10370.4
50°	8817.8
52.5°	7092.0
55°	5381.9
57.5°	3885.3
60°	2648.0
62.5°	1755.7
65°	1161.8
67.5°	810.1
70°	616.1
72.5°	505.4
75°	431.1
77.5°	371.2
80°	299.6
82.5°	221.4
85°	149.8
87.5°	78.1
90°	0.0

(END OF REPORT)