

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: P219361

Luminaire Tested: **SSLED-LD5-18-M-UNV-L840-CD1-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: P219361  
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-LD5-18-M-UNV-L840-CD1-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**

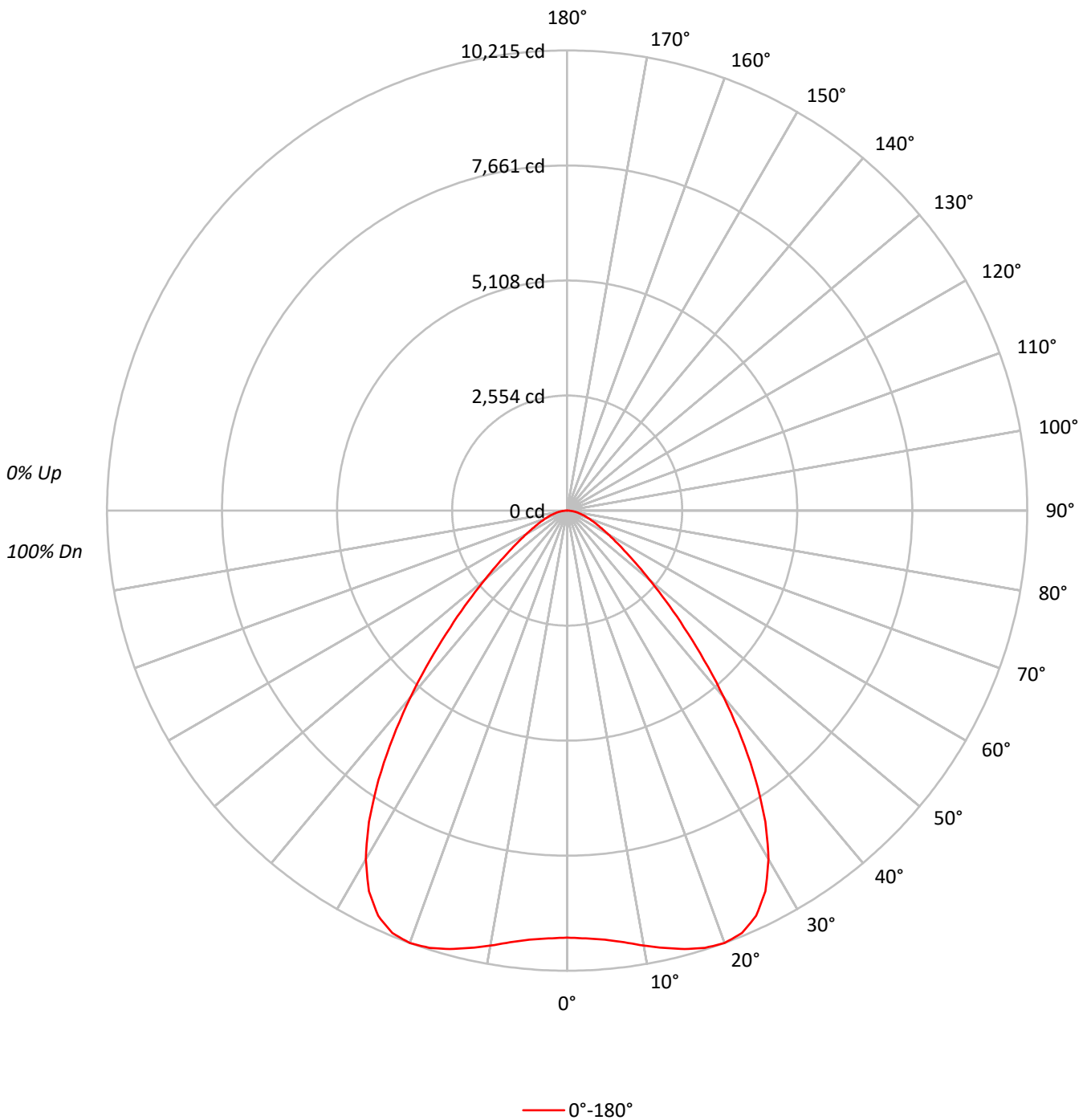
Lumens per Lamp: N/A  
Luminaire Lumens: 18341.0 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.2  
Luminous Opening: Circular (Dia: 1.41' x H: 0')  
CIE Type: Direct

Input Watts (W): 133.8  
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: P219361  
CATALOG NUMBER: SSLED-LD5-18-M-UNV-L840-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P219361

CATALOG NUMBER: SSLED-LD5-18-M-UNV-L840-CD1-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	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°	65339
5°	66166
10°	68630
15°	71911
20°	74935
25°	75509
30°	71155
35°	61423
40°	48654
45°	35766
50°	25515
55°	18659
60°	14454
65°	11878
70°	10251
75°	9221
80°	8571
85°	8068



TEST NUMBER: P219361

CATALOG NUMBER: SSLED-LD5-18-M-UNV-L840-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	920.5	5.0
10°-20°	2855.7	15.6
20°-30°	4516.4	24.6
30°-40°	4512.0	24.6
40°-50°	2876.8	15.7
50°-60°	1436.0	7.8
60°-70°	738.0	4.0
70°-80°	371.8	2.0
80°-90°	113.9	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°	8292.6	45.2
0°-40°	12804.6	69.8
0°-60°	17117.3	93.3
0°-90°	18341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9478	
5°	9562	920
15°	10076	2856
25°	9927	4516
35°	7299	4512
45°	3669	2877
55°	1552	1436
65°	728	738
75°	346	372
85°	102	114
90°	0	



TEST NUMBER: P219361

CATALOG NUMBER: SSLED-LD5-18-M-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9478.3
2.5°	9505.1
5°	9561.7
7.5°	9662.9
10°	9804.4
12.5°	9944.4
15°	10076.2
17.5°	10178.2
20°	10214.7
22.5°	10146.2
25°	9927.3
27.5°	9526.7
30°	8939.1
32.5°	8187.8
35°	7298.8
37.5°	6350.1
40°	5406.7
42.5°	4499.7
45°	3668.7
47.5°	2963.6
50°	2379.1
52.5°	1915.2
55°	1552.5
57.5°	1271.1
60°	1048.4
62.5°	871.2
65°	728.2
67.5°	609.8
70°	508.6
72.5°	421.5
75°	346.2
77.5°	280.0
80°	215.9
82.5°	157.9
85°	102.0
87.5°	50.6
90°	0.0

(END OF REPORT)