

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: P219430

Luminaire Tested: **SSLED-LD5-30-W-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: P219430  
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-L840-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) 4000K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30768.5 lumens  
Efficiency: N/A  
Efficacy: 115.5 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

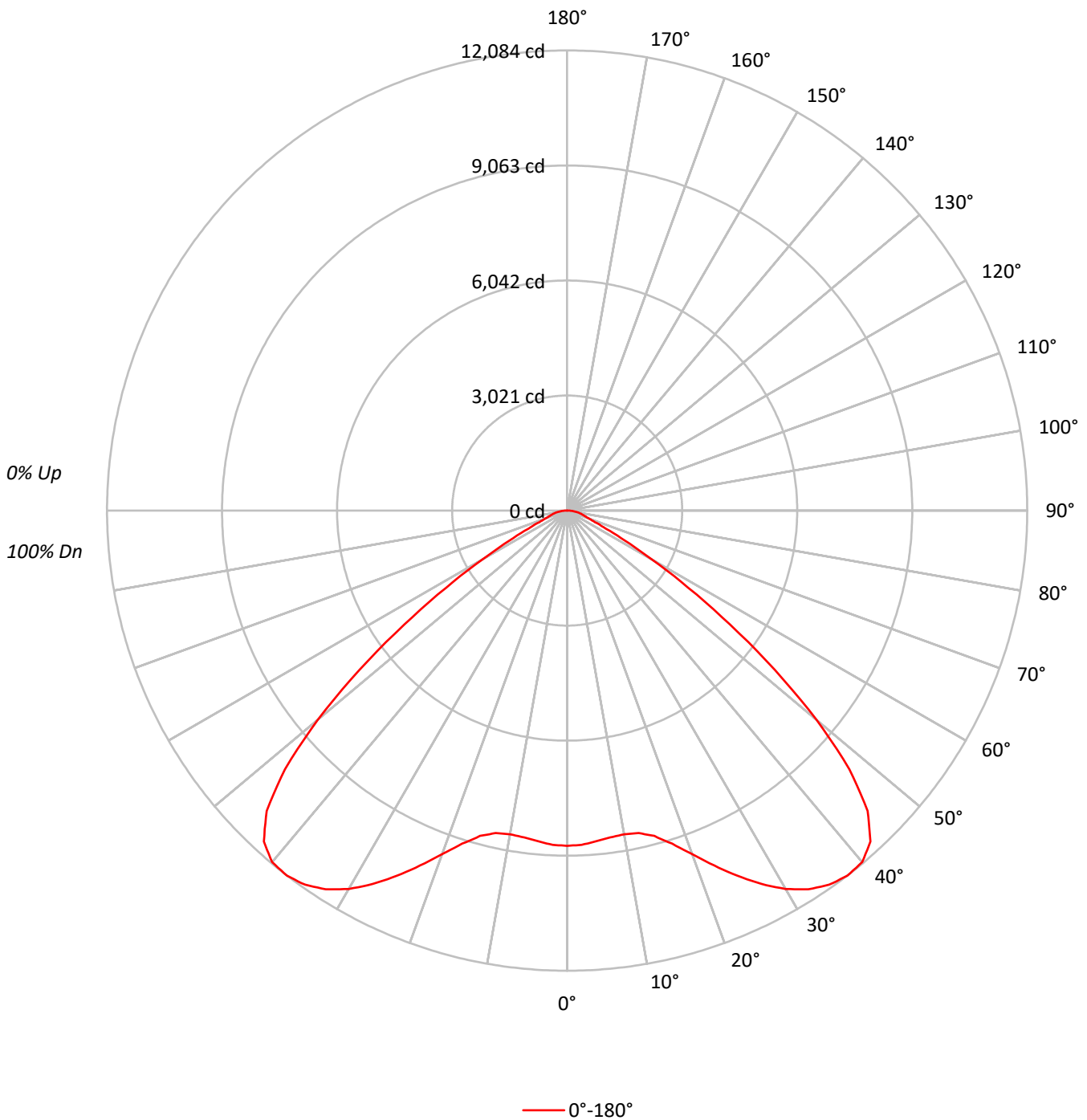
Input Watts (W): 266.35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	60680
5°	60336
10°	60406
15°	63128
20°	70438
25°	80485
30°	91334
35°	100948
40°	108458
45°	108771
50°	91667
55°	62699
60°	35389
65°	18370
70°	12037
75°	11131
80°	11528
85°	11485



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	829.1	2.7
10°-20°	2551.5	8.3
20°-30°	4915.8	16.0
30°-40°	7488.0	24.3
40°-50°	8346.5	27.1
50°-60°	4751.0	15.4
60°-70°	1277.1	4.2
70°-80°	451.5	1.5
80°-90°	158.1	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°	8296.4	27.0
0°-40°	15784.4	51.3
0°-60°	28881.9	93.9
0°-90°	30768.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30768.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8802	
5°	8719	829
15°	8846	2551
25°	10582	4916
35°	11996	7488
45°	11157	8347
55°	5217	4751
65°	1126	1277
75°	418	452
85°	145	158
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8802.5
2.5°	8783.6
5°	8719.2
7.5°	8654.8
10°	8629.6
12.5°	8671.2
15°	8845.5
17.5°	9171.2
20°	9601.7
22.5°	10086.6
25°	10581.5
27.5°	11053.7
30°	11474.1
32.5°	11791.0
35°	11995.5
37.5°	12083.9
40°	12052.4
42.5°	11789.7
45°	11157.2
47.5°	10052.5
50°	8547.5
52.5°	6874.6
55°	5216.9
57.5°	3766.2
60°	2566.8
62.5°	1701.9
65°	1126.2
67.5°	785.3
70°	597.2
72.5°	489.9
75°	417.9
77.5°	359.8
80°	290.4
82.5°	214.6
85°	145.2
87.5°	75.8
90°	0.0

(END OF REPORT)