

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: P219429

Luminaire Tested: **SSLED-LD5-30-W-UNV-L835-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: P219429
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-L835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28768.6 lumens
Efficiency: N/A
Efficacy: 108.0 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

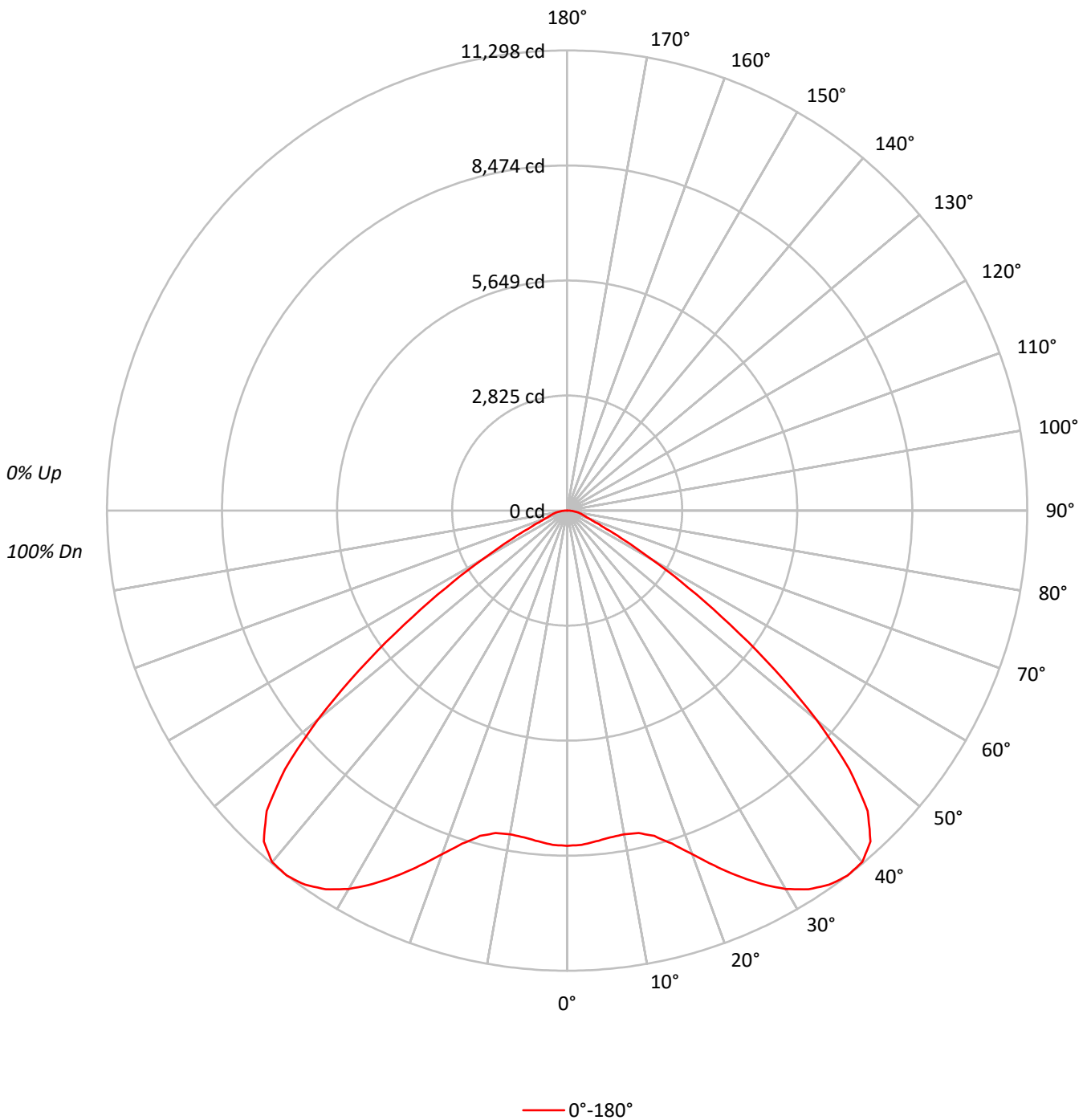
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	56737
5°	56414
10°	56479
15°	59024
20°	65859
25°	75253
30°	85397
35°	94386
40°	101408
45°	101701
50°	85709
55°	58624
60°	33088
65°	17176
70°	11255
75°	10406
80°	10778
85°	10741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.3	2.7
10°-20°	2385.6	8.3
20°-30°	4596.3	16.0
30°-40°	7001.3	24.3
40°-50°	7804.0	27.1
50°-60°	4442.2	15.4
60°-70°	1194.1	4.2
70°-80°	422.1	1.5
80°-90°	147.8	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°	7757.2	27.0
0°-40°	14758.4	51.3
0°-60°	27004.6	93.9
0°-90°	28768.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28768.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8230	
5°	8152	775
15°	8270	2386
25°	9894	4596
35°	11216	7001
45°	10432	7804
55°	4878	4442
65°	1053	1194
75°	391	422
85°	136	148
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8230.4
2.5°	8212.7
5°	8152.5
7.5°	8092.3
10°	8068.6
12.5°	8107.6
15°	8270.5
17.5°	8575.1
20°	8977.6
22.5°	9430.9
25°	9893.7
27.5°	10335.2
30°	10728.3
32.5°	11024.6
35°	11215.8
37.5°	11298.5
40°	11269.0
42.5°	11023.4
45°	10432.0
47.5°	9399.1
50°	7991.9
52.5°	6427.8
55°	4877.8
57.5°	3521.4
60°	2399.9
62.5°	1591.3
65°	1053.0
67.5°	734.3
70°	558.4
72.5°	458.0
75°	390.7
77.5°	336.4
80°	271.5
82.5°	200.7
85°	135.8
87.5°	70.8
90°	0.0

(END OF REPORT)