

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: P219303

Luminaire Tested: **SSLED-LD5-30-N-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: P219303
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-L835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28577.4 lumens
Efficiency: N/A
Efficacy: 107.3 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

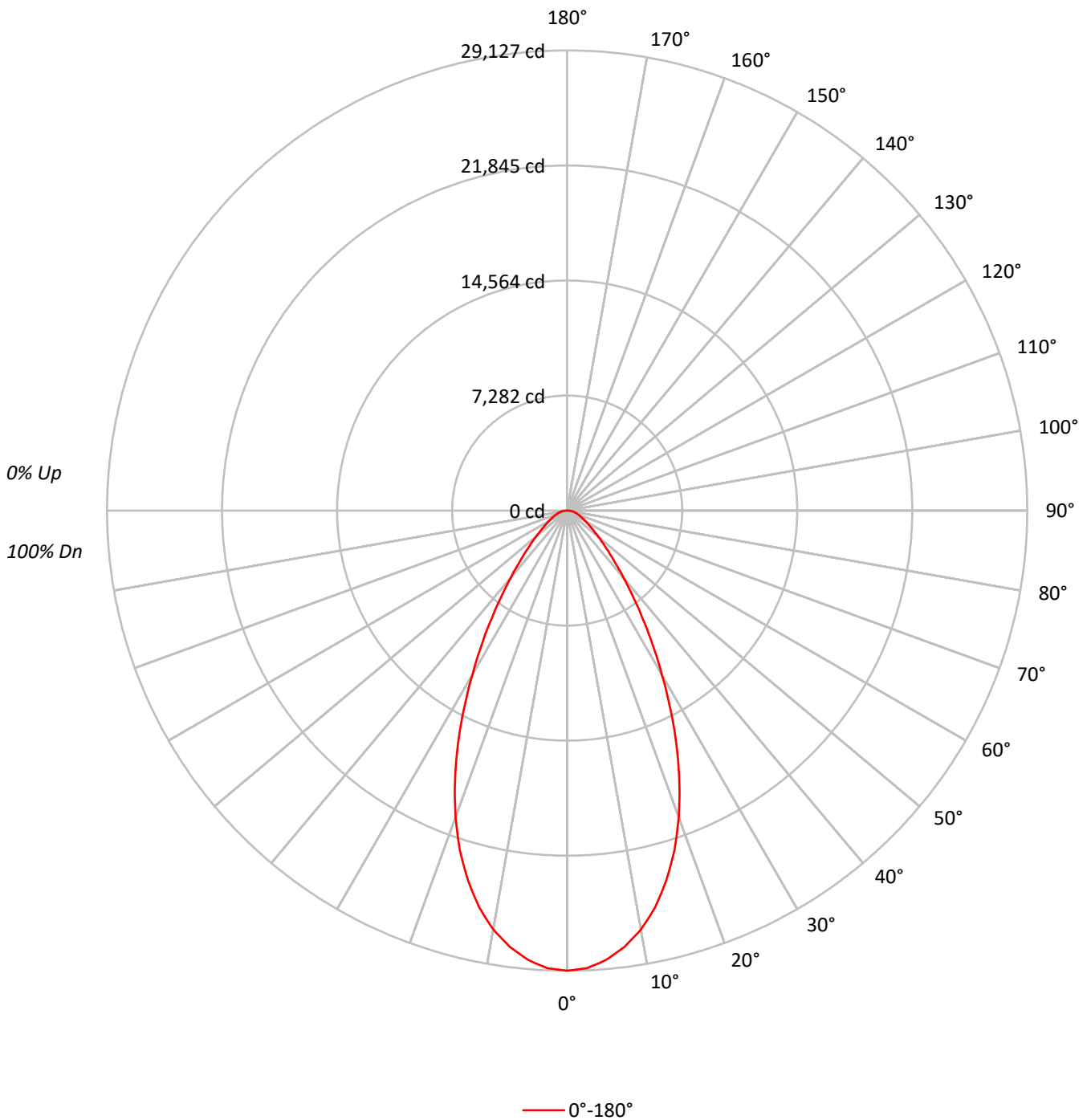
Input Watts (W): 266.35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	200786
5°	197493
10°	188431
15°	173023
20°	151501
25°	124442
30°	95472
35°	70108
40°	50078
45°	36413
50°	27638
55°	21921
60°	18409
65°	16387
70°	15300
75°	14998
80°	15419
85°	16808



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2672.9	9.4
10°-20°	6735.1	23.6
20°-30°	7448.1	26.1
30°-40°	5259.1	18.4
40°-50°	2959.7	10.4
50°-60°	1670.3	5.8
60°-70°	1009.4	3.5
70°-80°	599.3	2.1
80°-90°	223.4	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°	16856.1	59.0
0°-40°	22115.2	77.4
0°-60°	26745.2	93.6
0°-90°	28577.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28577.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29127	
5°	28540	###
15°	24244	6735
25°	16361	7448
35°	8331	5259
45°	3735	2960
55°	1824	1670
65°	1005	1009
75°	563	599
85°	212	223
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	29126.7
2.5°	28986.2
5°	28540.0
7.5°	27849.4
10°	26919.2
12.5°	25724.5
15°	24244.1
17.5°	22565.4
20°	20651.8
22.5°	18565.9
25°	16360.7
27.5°	14137.8
30°	11994.0
32.5°	10062.7
35°	8330.9
37.5°	6817.4
40°	5564.9
42.5°	4548.5
45°	3735.1
47.5°	3094.1
50°	2577.1
52.5°	2159.2
55°	1823.9
57.5°	1554.7
60°	1335.2
62.5°	1155.7
65°	1004.6
67.5°	874.8
70°	759.1
72.5°	657.5
75°	563.1
77.5°	476.9
80°	388.4
82.5°	301.0
85°	212.5
87.5°	113.3
90°	0.0

(END OF REPORT)