

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: P219461

Luminaire Tested: **SSLED-LD5-12-W-UNV-L850-CD1-SA23-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: P219461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27263)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-12-W-UNV-L850-CD1-SA23-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. SHROUD ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12070.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

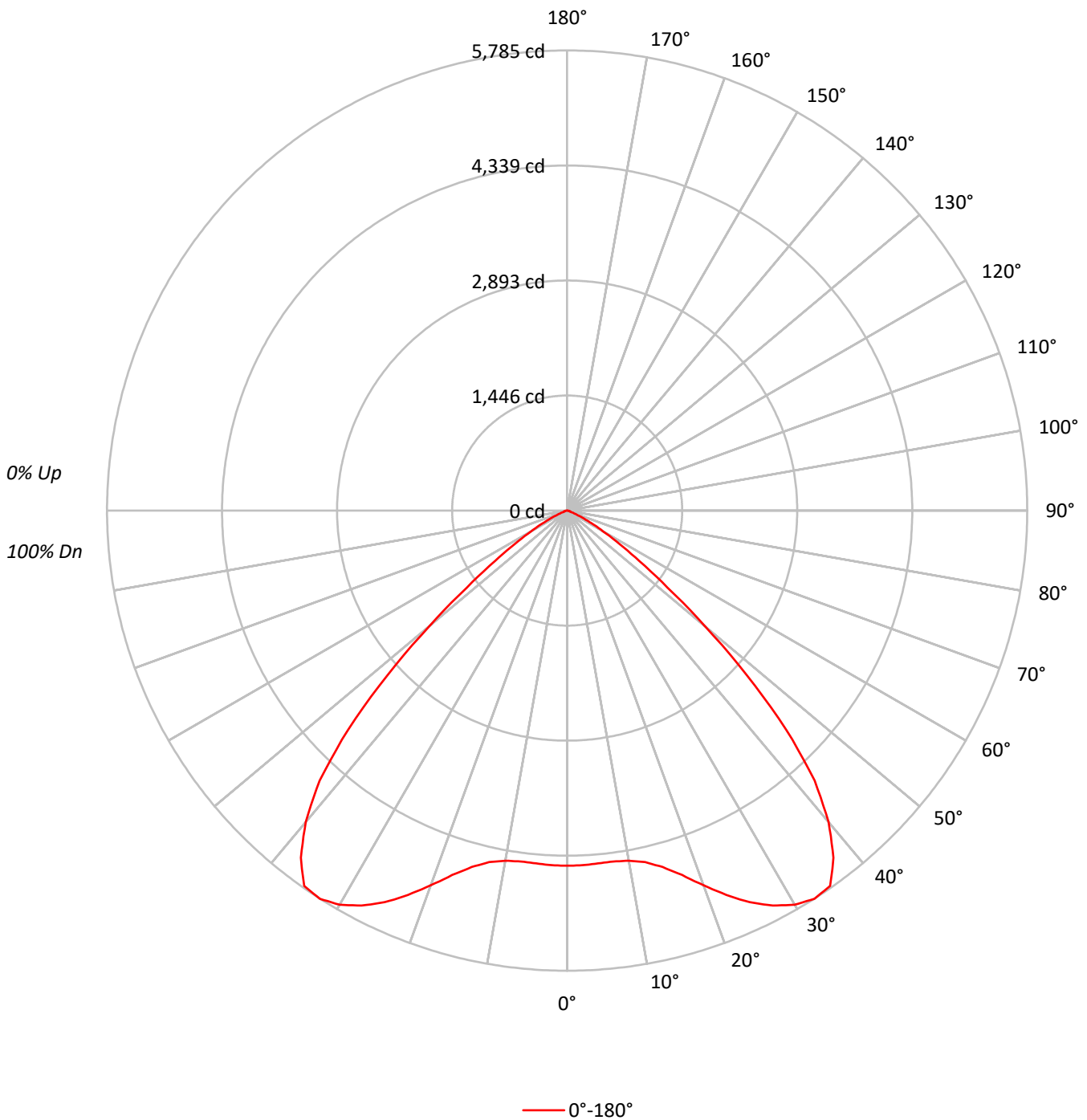
Input Watts (W): 85.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	72	67	88	78	72	67	76	70	66		74	69	65		72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66	61	57	55
6	77	66	58	52	75	65	57	52	63	56	52		61	56	51		60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	65	54	47	42	53	46	41		52	46	41		50	45	41	39
9	62	50	43	38	61	50	42	38	49	42	37		48	42	37		47	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30771
5°	30804
10°	31286
15°	33099
20°	36762
25°	41326
30°	45541
35°	48493
40°	45992
45°	37973
50°	24224
55°	13301
60°	7200
65°	3381
70°	1062
75°	828
80°	857
85°	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	3.5
10°-20°	1333.6	11.0
20°-30°	2512.2	20.8
30°-40°	3520.5	29.2
40°-50°	2921.7	24.2
50°-60°	1076.0	8.9
60°-70°	233.4	1.9
70°-80°	34.7	0.3
80°-90°	12.4	0.1
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°	4271.2	35.4
0°-40°	7791.8	64.6
0°-60°	11789.5	97.7
0°-90°	12070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12070.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4464	
5°	4452	425
15°	4638	1334
25°	5433	2512
35°	5762	3521
45°	3895	2922
55°	1107	1076
65°	207	233
75°	31	35
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4463.7
2.5°	4462.1
5°	4451.6
7.5°	4448.9
10°	4469.5
12.5°	4524.9
15°	4637.8
17.5°	4803.9
20°	5011.2
22.5°	5228.6
25°	5433.2
27.5°	5597.8
30°	5721.3
32.5°	5785.1
35°	5762.4
37.5°	5499.2
40°	5110.9
42.5°	4605.1
45°	3895.1
47.5°	3065.8
50°	2258.8
52.5°	1590.4
55°	1106.7
57.5°	774.9
60°	522.2
62.5°	345.0
65°	207.3
67.5°	112.9
70°	52.7
72.5°	37.5
75°	31.1
77.5°	25.8
80°	21.6
82.5°	17.4
85°	11.6
87.5°	5.8
90°	0.0

(END OF REPORT)