

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: P219447

Luminaire Tested: **SSLED-LD5-24-W-UNV-L835-CD2-UPL-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: P219447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27260)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SSLED-LD5-24-W-UNV-L835-CD2-UPL-U
Description: METALUX ROUND HIGH BAY STEELER LED WITH WIDE DISTRIBUTION LENS WITH Rev.G BOARD. LENS DIFFUSE 2407, 7.5% BLEND. UPLIGHT REFLECTOR ACCESSORY INSTALLED. FIXTURE CENTERED TO LEDS
Light Source: (240) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20133.2 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.87 / 1.87 / 1.66
Luminous Opening: Circular (Dia: 1.41' x H: 0')
CIE Type: Direct

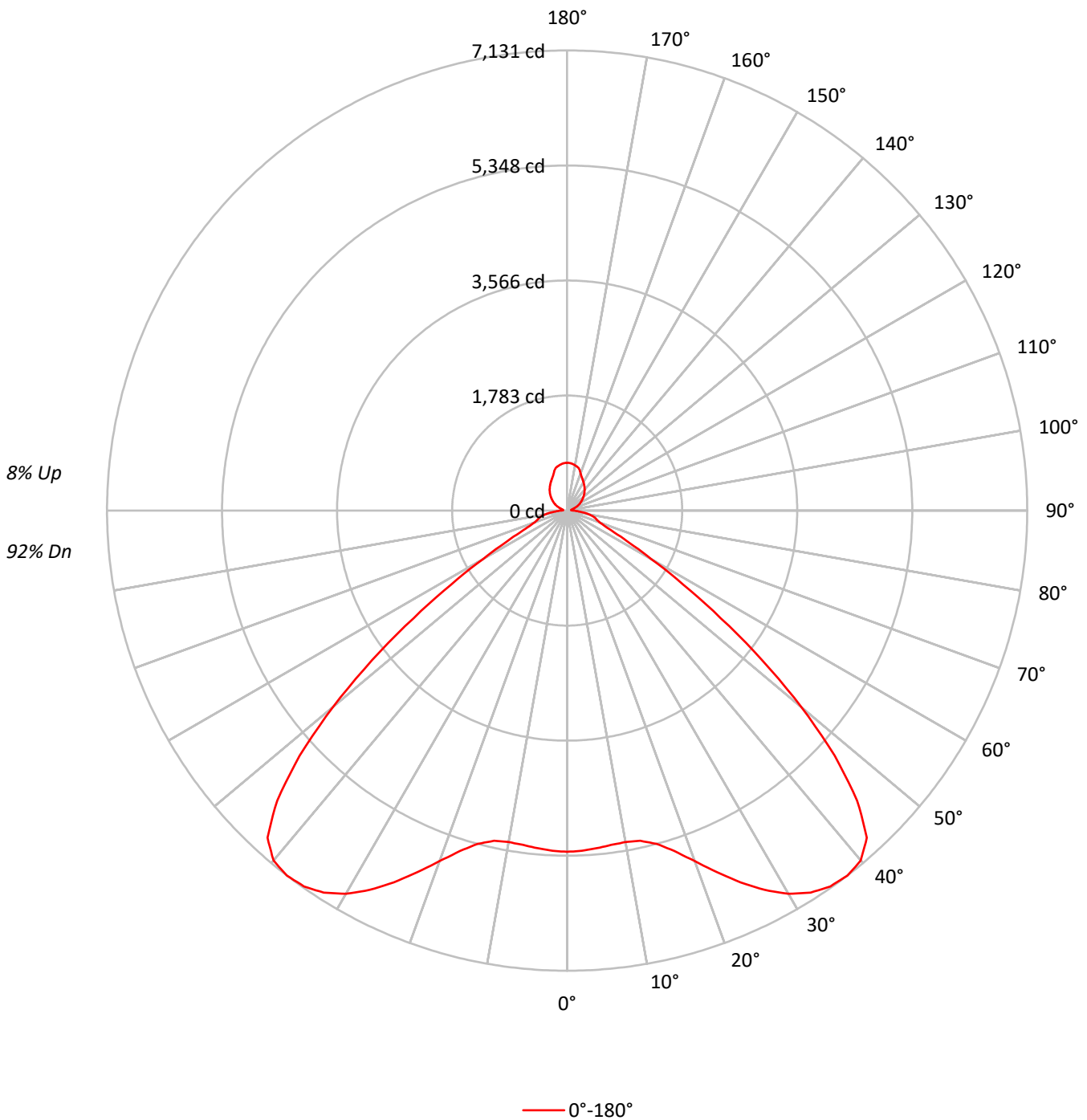
Input Watts (W): 190.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	92
1	108	104	100	97	105	101	98	95	95	93	90	90	88	86	85	84	82	80
2	100	92	86	81	96	90	84	80	85	80	77	81	77	74	76	73	71	68
3	91	82	75	69	88	80	73	68	76	70	65	72	67	63	68	65	61	59
4	84	73	65	59	81	71	64	58	68	61	56	64	59	55	61	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	58	52	48	55	50	46	44
6	71	59	50	44	69	57	50	44	55	48	43	52	46	42	50	45	41	39
7	66	53	45	39	64	52	44	39	50	43	38	48	41	37	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	43	37	33	42	36	32	30
9	57	44	36	31	55	43	36	30	41	35	30	40	34	29	38	33	29	27
10	53	40	33	28	51	39	32	27	38	31	27	36	30	26	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36438
5°	36338
10°	36504
15°	38143
20°	42397
25°	48336
30°	54580
35°	59823
40°	63701
45°	61972
50°	50875
55°	34926
60°	20785
65°	13238
70°	10829
75°	12052
80°	13704
85°	15202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.0	2.5
10°-20°	1539.9	7.6
20°-30°	2949.8	14.7
30°-40°	4435.7	22.0
40°-50°	4769.4	23.7
50°-60°	2657.5	13.2
60°-70°	876.7	4.4
70°-80°	472.8	2.3
80°-90°	227.7	1.1
90°-100°	75.8	0.4
100°-110°	98.8	0.5
110°-120°	183.2	0.9
120°-130°	251.0	1.2
130°-140°	290.2	1.4
140°-150°	290.7	1.4
150°-160°	255.0	1.3
160°-170°	189.8	0.9
170°-180°	69.3	0.3
0°-30°	4989.6	24.8
0°-40°	9425.4	46.8
0°-60°	16852.2	83.7
0°-90°	18429.4	91.5
90°-120°	357.9	1.8
90°-150°	1189.7	5.9
90°-180°	1704.0	8.5
0°-180°	20133.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5286	
5°	5251	500
15°	5345	1540
25°	6355	2950
35°	7109	4436
45°	6357	4769
55°	2906	2658
65°	812	877
75°	452	473
85°	192	194
90°	101	56
95°	63	53
105°	90	99
115°	188	183
125°	281	251
135°	377	290
145°	465	291
155°	551	255
165°	685	190
175°	734	69
180°	740	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5285.8
2.5°	5277.4
5°	5251.3
7.5°	5225.2
10°	5214.9
12.5°	5241.0
15°	5344.6
17.5°	5530.2
20°	5779.3
22.5°	6063.8
25°	6354.9
27.5°	6626.4
30°	6856.8
32.5°	7019.1
35°	7108.7
37.5°	7131.1
40°	7078.8
42.5°	6873.6
45°	6356.8
47.5°	5622.6
50°	4743.8
52.5°	3809.0
55°	2906.0
57.5°	2133.5
60°	1507.6
62.5°	1087.8
65°	811.6
67.5°	635.3
70°	537.3
72.5°	487.0
75°	452.5
77.5°	409.5
80°	345.2
82.5°	278.9
85°	192.2
87.5°	141.8
90°	100.8
92.5°	63.4
95°	63.4
97.5°	65.3
100°	70.9
102.5°	78.4
105°	89.6
107.5°	105.4
110°	131.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.4
115°	187.5
117.5°	209.9
120°	232.3
122.5°	257.5
125°	280.8
127.5°	304.1
130°	328.4
132.5°	352.6
135°	376.9
137.5°	399.3
140°	421.7
142.5°	443.1
145°	464.6
147.5°	485.1
150°	507.5
152.5°	529.0
155°	551.3
157.5°	576.5
160°	610.1
162.5°	653.0
165°	684.7
167.5°	699.7
170°	710.9
172.5°	723.9
175°	734.2
177.5°	738.9
180°	739.8

(END OF REPORT)