

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P980694

Luminaire Tested: UHBS2-2436-M-L83065-MID-3500K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-MID-3500K-FRR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

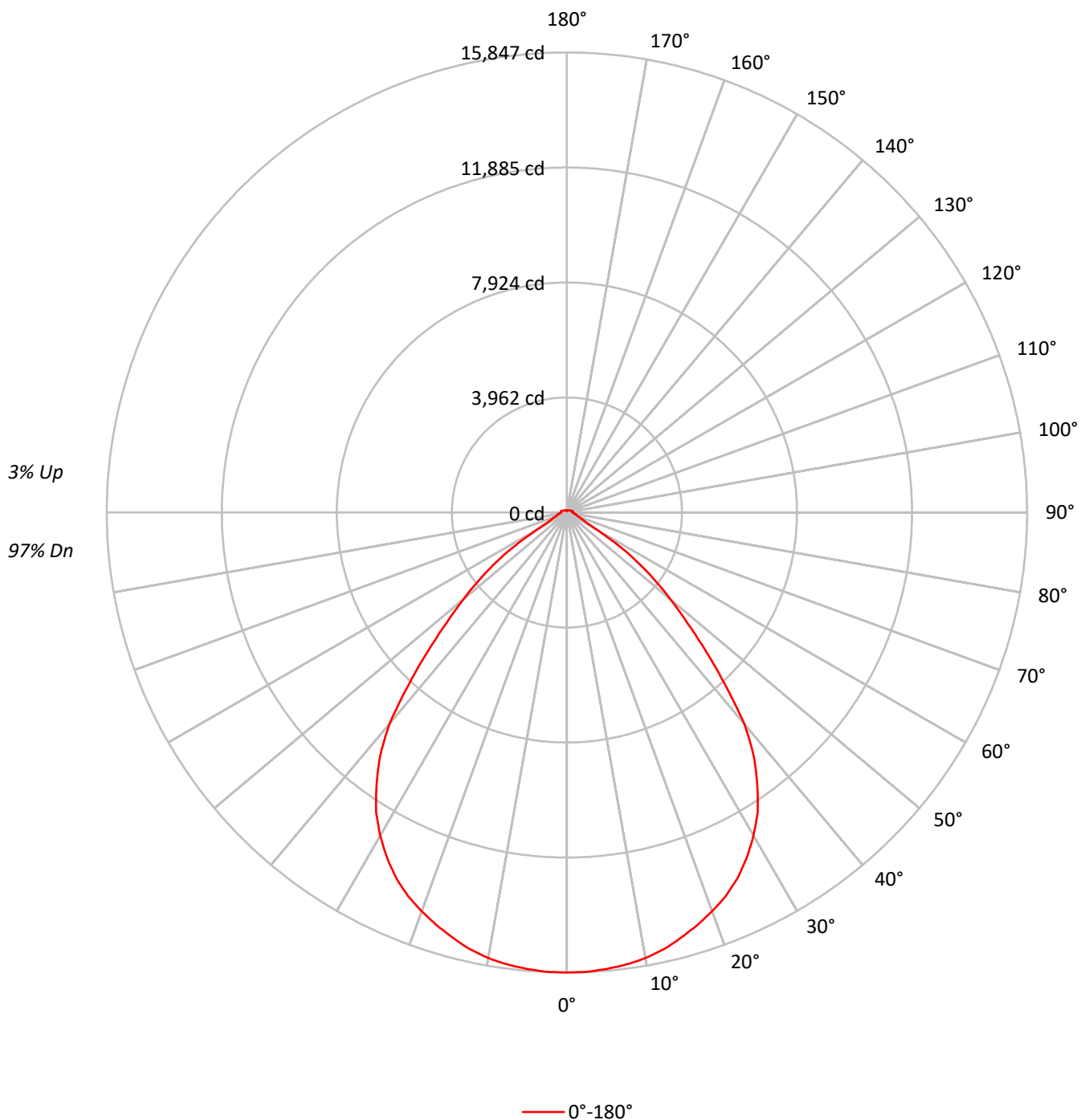
Lumens per Lamp: N/A
Luminaire Lumens: 29329.0 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 192.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.15
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99
1	111	107	104	101	108	105	102	99	100	98	96		96	94	92		92
2	103	97	92	87	101	95	90	86	91	87	84		87	84	81		84
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	73	67	87	78	72	67	76	70	65		73	68	64		71
5	83	73	65	60	81	72	65	59	69	63	59		67	62	58		65
6	78	67	59	54	76	66	58	53	64	57	53		62	56	52		60
7	73	61	54	48	71	60	53	48	59	52	48		57	51	47		55
8	68	56	49	44	67	56	49	44	54	48	43		53	47	43		51
9	64	52	45	40	63	51	45	40	50	44	40		49	43	39		48
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121495
5°	118988
10°	116451
15°	113153
20°	109761
25°	105841
30°	100037
35°	91698
40°	79327
45°	59326
50°	43221
55°	29315
60°	13111
65°	7471
70°	5796
75°	5382
80°	5414
85°	5624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1500.5	5.1
10°-20°	4279.6	14.6
20°-30°	6380.3	21.8
30°-40°	7090.3	24.2
40°-50°	5283.5	18.0
50°-60°	2604.1	8.9
60°-70°	670.8	2.3
70°-80°	368.7	1.3
80°-90°	261.0	0.9
90°-100°	221.7	0.8
100°-110°	209.1	0.7
110°-120°	150.7	0.5
120°-130°	107.1	0.4
130°-140°	80.5	0.3
140°-150°	58.5	0.2
150°-160°	37.9	0.1
160°-170°	19.4	0.1
170°-180°	5.3	0.0
0°-30°	12160.3	41.5
0°-40°	19250.7	65.6
0°-60°	27138.3	92.5
0°-90°	28438.8	97.0
90°-120°	581.5	2.0
90°-150°	827.7	2.8
90°-180°	890.0	3.0
0°-180°	29329.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15847	
5°	15783	###
15°	15165	4280
25°	13901	6380
35°	11431	7090
45°	6774	5283
55°	2939	2604
65°	622	671
75°	343	369
85°	238	205
90°	194	110
95°	204	168
105°	199	209
115°	151	151
125°	119	107
135°	103	80
145°	94	59
155°	82	38
165°	69	19
175°	53	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15846.8
2.5°	15835.4
5°	15782.8
7.5°	15705.0
10°	15586.1
12.5°	15412.3
15°	15165.3
17.5°	14909.2
20°	14618.7
22.5°	14296.2
25°	13900.6
27.5°	13411.2
30°	12853.1
32.5°	12228.8
35°	11430.6
37.5°	10566.1
40°	9509.5
42.5°	8086.9
45°	6774.2
47.5°	5614.7
50°	4651.8
52.5°	3789.6
55°	2938.8
57.5°	2083.5
60°	1207.6
62.5°	768.4
65°	622.1
67.5°	512.3
70°	427.7
72.5°	381.9
75°	343.1
77.5°	313.3
80°	288.2
82.5°	263.0
85°	237.9
87.5°	215.0
90°	194.4
92.5°	199.0
95°	203.5
97.5°	208.1
100°	210.4
102.5°	208.1
105°	199.0
107.5°	189.8
110°	176.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.4
115°	150.9
117.5°	139.5
120°	130.4
122.5°	123.5
125°	118.9
127.5°	114.4
130°	109.8
132.5°	107.5
135°	102.9
137.5°	100.6
140°	98.3
142.5°	96.1
145°	93.8
147.5°	89.2
150°	86.9
152.5°	84.6
155°	82.3
157.5°	77.8
160°	75.5
162.5°	70.9
165°	68.6
167.5°	64.0
170°	59.5
172.5°	54.9
175°	52.6
177.5°	54.9
180°	52.6

(END OF REPORT)