

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: P980692

Luminaire Tested: UHBS2-2436-M-L83065-MID-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-MID-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

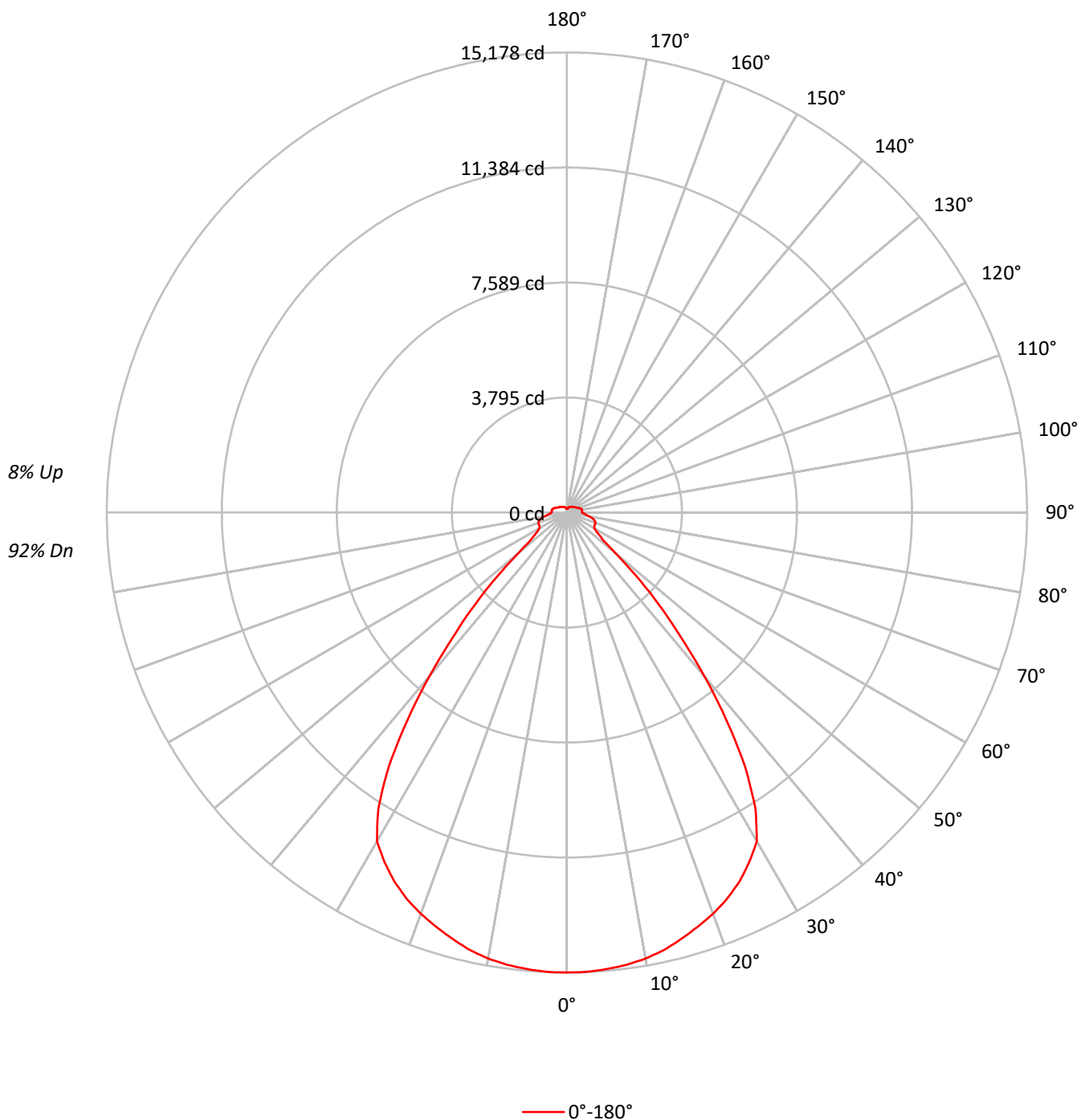
Lumens per Lamp: N/A
Luminaire Lumens: 27373.0 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 194.6
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	117	117	117	117	113	113	113	113	107	107	107		100	100	100		95
1	109	105	101	98	105	102	98	96	96	93	91		91	89	87		86
2	101	94	89	84	98	92	87	83	87	83	79		83	80	77		79
3	94	86	79	74	91	83	77	73	80	74	70		76	72	68		72
4	88	78	71	65	85	76	70	64	73	67	63		70	65	61		67
5	82	71	64	58	80	70	63	58	67	61	57		64	59	55		62
6	77	66	58	53	75	64	57	52	62	56	51		60	54	50		57
7	72	61	53	48	70	59	52	47	57	51	47		55	50	46		53
8	68	56	49	44	66	55	48	43	53	47	43		51	46	42		50
9	64	52	45	40	62	51	44	40	50	43	39		48	43	39		47
10	60	48	42	37	59	48	41	37	46	40	36		45	40	36		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96001
5°	92522
10°	89184
15°	85500
20°	81946
25°	78077
30°	73209
35°	60736
40°	42709
45°	26636
50°	13552
55°	8910
60°	7579
65°	7798
70°	8451
75°	8635
80°	7998
85°	7262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.1	5.3
10°-20°	4112.1	15.0
20°-30°	6177.5	22.6
30°-40°	6255.8	22.9
40°-50°	3329.0	12.2
50°-60°	1230.5	4.5
60°-70°	1005.3	3.7
70°-80°	957.5	3.5
80°-90°	662.2	2.4
90°-100°	548.2	2.0
100°-110°	500.7	1.8
110°-120°	376.3	1.4
120°-130°	276.3	1.0
130°-140°	206.4	0.8
140°-150°	146.0	0.5
150°-160°	92.8	0.3
160°-170°	46.3	0.2
170°-180°	12.0	0.0
0°-30°	11727.7	42.8
0°-40°	17983.5	65.7
0°-60°	22543.0	82.4
0°-90°	25168.1	91.9
90°-120°	1425.2	5.2
90°-150°	2053.8	7.5
90°-180°	2205.0	8.1
0°-180°	27373.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15178	
5°	15124	###
15°	14570	4112
25°	13444	6178
35°	10248	6256
45°	4266	3329
55°	1307	1231
65°	1004	1005
75°	924	958
85°	595	520
90°	501	279
95°	503	411
105°	477	501
115°	377	376
125°	305	276
135°	266	206
145°	231	146
155°	200	93
165°	161	46
175°	122	12
180°	120	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15177.9
2.5°	15171.4
5°	15123.5
7.5°	15051.6
10°	14944.8
12.5°	14783.6
15°	14570.1
17.5°	14332.6
20°	14090.8
22.5°	13798.9
25°	13443.8
27.5°	13016.8
30°	12526.6
32.5°	11574.6
35°	10247.9
37.5°	8659.7
40°	7049.8
42.5°	5531.3
45°	4265.6
47.5°	3097.9
50°	2087.0
52.5°	1505.4
55°	1307.1
57.5°	1141.6
60°	1047.9
62.5°	1017.4
65°	1004.3
67.5°	1006.5
70°	1000.0
72.5°	976.0
75°	923.7
77.5°	845.3
80°	758.1
82.5°	671.0
85°	594.7
87.5°	533.7
90°	501.1
92.5°	498.9
95°	503.2
97.5°	505.4
100°	503.2
102.5°	494.5
105°	477.1
107.5°	455.3
110°	427.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	400.9
115°	376.9
117.5°	355.1
120°	335.5
122.5°	320.2
125°	305.0
127.5°	294.1
130°	285.4
132.5°	274.5
135°	265.8
137.5°	257.1
140°	248.4
142.5°	239.6
145°	230.9
147.5°	224.4
150°	215.7
152.5°	209.1
155°	200.4
157.5°	189.5
160°	180.8
162.5°	172.1
165°	161.2
167.5°	152.5
170°	137.2
172.5°	124.2
175°	122.0
177.5°	122.0
180°	119.8

(END OF REPORT)