

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: P980677

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980677
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-LOW-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

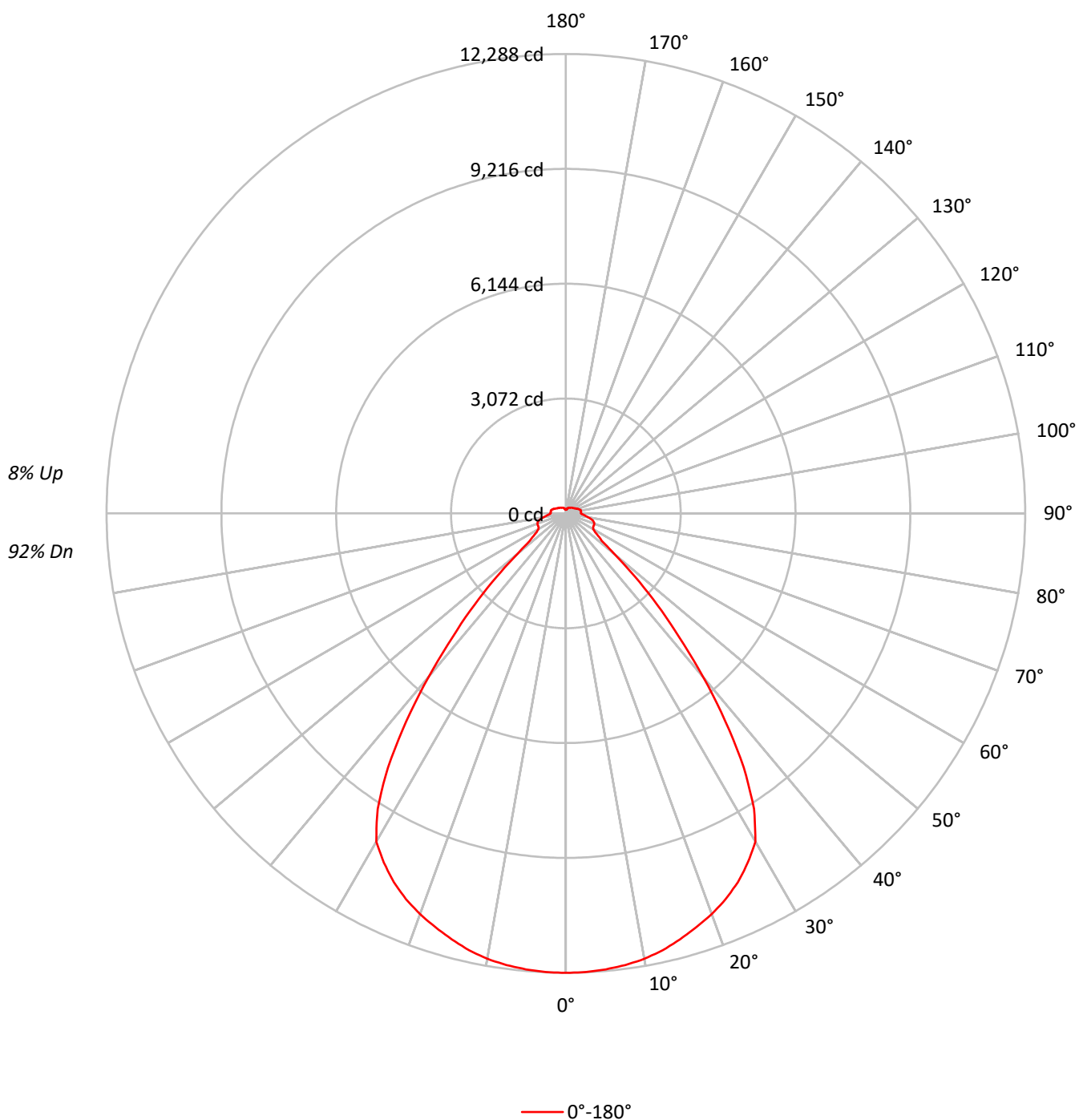
Lumens per Lamp: N/A
Luminaire Lumens: 22161.9 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 156
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
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°	77726
5°	74908
10°	72206
15°	69223
20°	66346
25°	63214
30°	59272
35°	49174
40°	34579
45°	21565
50°	10972
55°	7214
60°	6136
65°	6314
70°	6842
75°	6992
80°	6475
85°	5879

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1164.3	5.3
10°-20°	3329.3	15.0
20°-30°	5001.5	22.6
30°-40°	5064.8	22.9
40°-50°	2695.2	12.2
50°-60°	996.3	4.5
60°-70°	813.9	3.7
70°-80°	775.3	3.5
80°-90°	536.1	2.4
90°-100°	443.8	2.0
100°-110°	405.4	1.8
110°-120°	304.6	1.4
120°-130°	223.7	1.0
130°-140°	167.1	0.8
140°-150°	118.2	0.5
150°-160°	75.1	0.3
160°-170°	37.5	0.2
170°-180°	9.7	0.0
0°-30°	9495.1	42.8
0°-40°	14560.0	65.7
0°-60°	18251.5	82.4
0°-90°	20376.8	91.9
90°-120°	1153.8	5.2
90°-150°	1662.8	7.5
90°-180°	1785.0	8.1
0°-180°	22161.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12288	
5°	12244	###
15°	11796	3329
25°	10884	5002
35°	8297	5065
45°	3454	2695
55°	1058	996
65°	813	814
75°	748	775
85°	482	421
90°	406	226
95°	407	333
105°	386	405
115°	305	305
125°	247	224
135°	215	167
145°	187	118
155°	162	75
165°	130	37
175°	99	10
180°	97	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12288.5
2.5°	12283.2
5°	12244.4
7.5°	12186.2
10°	12099.8
12.5°	11969.2
15°	11796.4
17.5°	11604.1
20°	11408.4
22.5°	11172.0
25°	10884.5
27.5°	10538.8
30°	10141.9
32.5°	9371.1
35°	8297.0
37.5°	7011.2
40°	5707.7
42.5°	4478.3
45°	3453.5
47.5°	2508.1
50°	1689.7
52.5°	1218.8
55°	1058.3
57.5°	924.2
60°	848.4
62.5°	823.7
65°	813.1
67.5°	814.9
70°	809.6
72.5°	790.2
75°	747.9
77.5°	684.4
80°	613.8
82.5°	543.3
85°	481.5
87.5°	432.1
90°	405.7
92.5°	403.9
95°	407.4
97.5°	409.2
100°	407.4
102.5°	400.4
105°	386.3
107.5°	368.6
110°	345.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	324.5
115°	305.1
117.5°	287.5
120°	271.6
122.5°	259.3
125°	246.9
127.5°	238.1
130°	231.1
132.5°	222.2
135°	215.2
137.5°	208.1
140°	201.1
142.5°	194.0
145°	187.0
147.5°	181.7
150°	174.6
152.5°	169.3
155°	162.3
157.5°	153.5
160°	146.4
162.5°	139.3
165°	130.5
167.5°	123.5
170°	111.1
172.5°	100.5
175°	98.8
177.5°	98.8
180°	97.0

(END OF REPORT)