

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: P980566

Luminaire Tested: UHBS2-1218-M-L83065-LOW-5000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980566
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: UHBS2-1218-M-L83065-LOW-5000K-FRR6
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

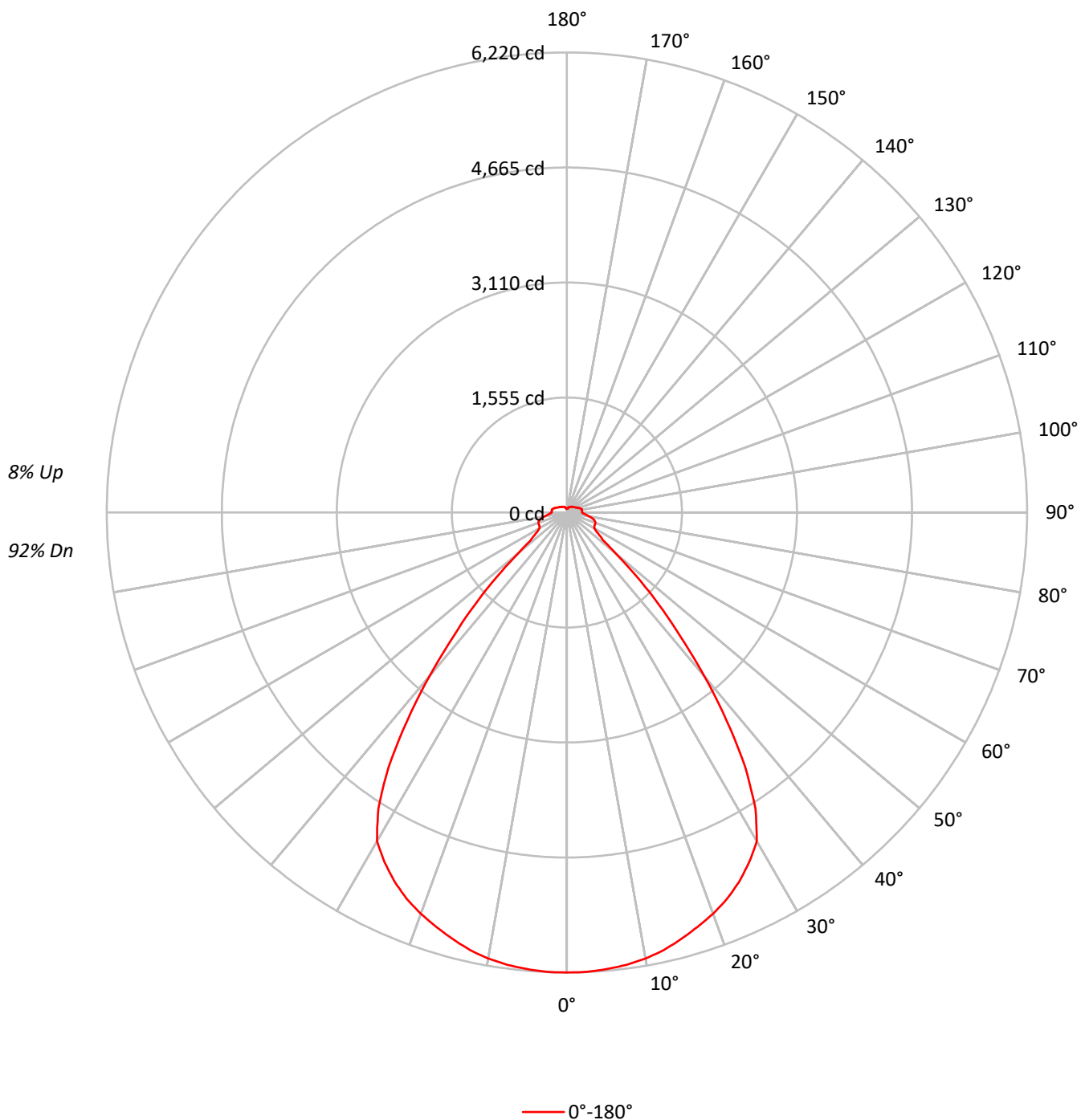
Lumens per Lamp: N/A
Luminaire Lumens: 11216.9 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 79
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
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°	50361
5°	48303
10°	46353
15°	44248
20°	42233
25°	40074
30°	37421
35°	30917
40°	21647
45°	13440
50°	6805
55°	4451
60°	3764
65°	3847
70°	4138
75°	4190
80°	3838
85°	3434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13440 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.3	5.3
10°-20°	1685.1	15.0
20°-30°	2531.5	22.6
30°-40°	2563.5	22.9
40°-50°	1364.2	12.2
50°-60°	504.2	4.5
60°-70°	411.9	3.7
70°-80°	392.4	3.5
80°-90°	271.4	2.4
90°-100°	224.6	2.0
100°-110°	205.2	1.8
110°-120°	154.2	1.4
120°-130°	113.2	1.0
130°-140°	84.6	0.8
140°-150°	59.8	0.5
150°-160°	38.0	0.3
160°-170°	19.0	0.2
170°-180°	4.9	0.0
0°-30°	4805.8	42.8
0°-40°	7369.3	65.7
0°-60°	9237.8	82.4
0°-90°	10313.4	91.9
90°-120°	584.0	5.2
90°-150°	841.6	7.5
90°-180°	904.0	8.1
0°-180°	11216.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6220	
5°	6197	589
15°	5971	1685
25°	5509	2531
35°	4199	2564
45°	1748	1364
55°	536	504
65°	412	412
75°	378	392
85°	244	213
90°	205	114
95°	206	168
105°	196	205
115°	154	154
125°	125	113
135°	109	85
145°	95	60
155°	82	38
165°	66	19
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6219.7
2.5°	6217.0
5°	6197.3
7.5°	6167.9
10°	6124.1
12.5°	6058.1
15°	5970.6
17.5°	5873.3
20°	5774.2
22.5°	5654.6
25°	5509.0
27.5°	5334.1
30°	5133.2
32.5°	4743.1
35°	4199.4
37.5°	3548.6
40°	2888.9
42.5°	2266.6
45°	1748.0
47.5°	1269.5
50°	855.2
52.5°	616.9
55°	535.6
57.5°	467.8
60°	429.4
62.5°	416.9
65°	411.5
67.5°	412.4
70°	409.8
72.5°	399.9
75°	378.5
77.5°	346.4
80°	310.7
82.5°	275.0
85°	243.7
87.5°	218.7
90°	205.3
92.5°	204.4
95°	206.2
97.5°	207.1
100°	206.2
102.5°	202.6
105°	195.5
107.5°	186.6
110°	175.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	164.3
115°	154.4
117.5°	145.5
120°	137.5
122.5°	131.2
125°	125.0
127.5°	120.5
130°	116.9
132.5°	112.5
135°	108.9
137.5°	105.3
140°	101.8
142.5°	98.2
145°	94.6
147.5°	92.0
150°	88.4
152.5°	85.7
155°	82.1
157.5°	77.7
160°	74.1
162.5°	70.5
165°	66.1
167.5°	62.5
170°	56.2
172.5°	50.9
175°	50.0
177.5°	50.0
180°	49.1

(END OF REPORT)