

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: P980557

Luminaire Tested: UHBS2-1218-M-L83065-LOW-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980557
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-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

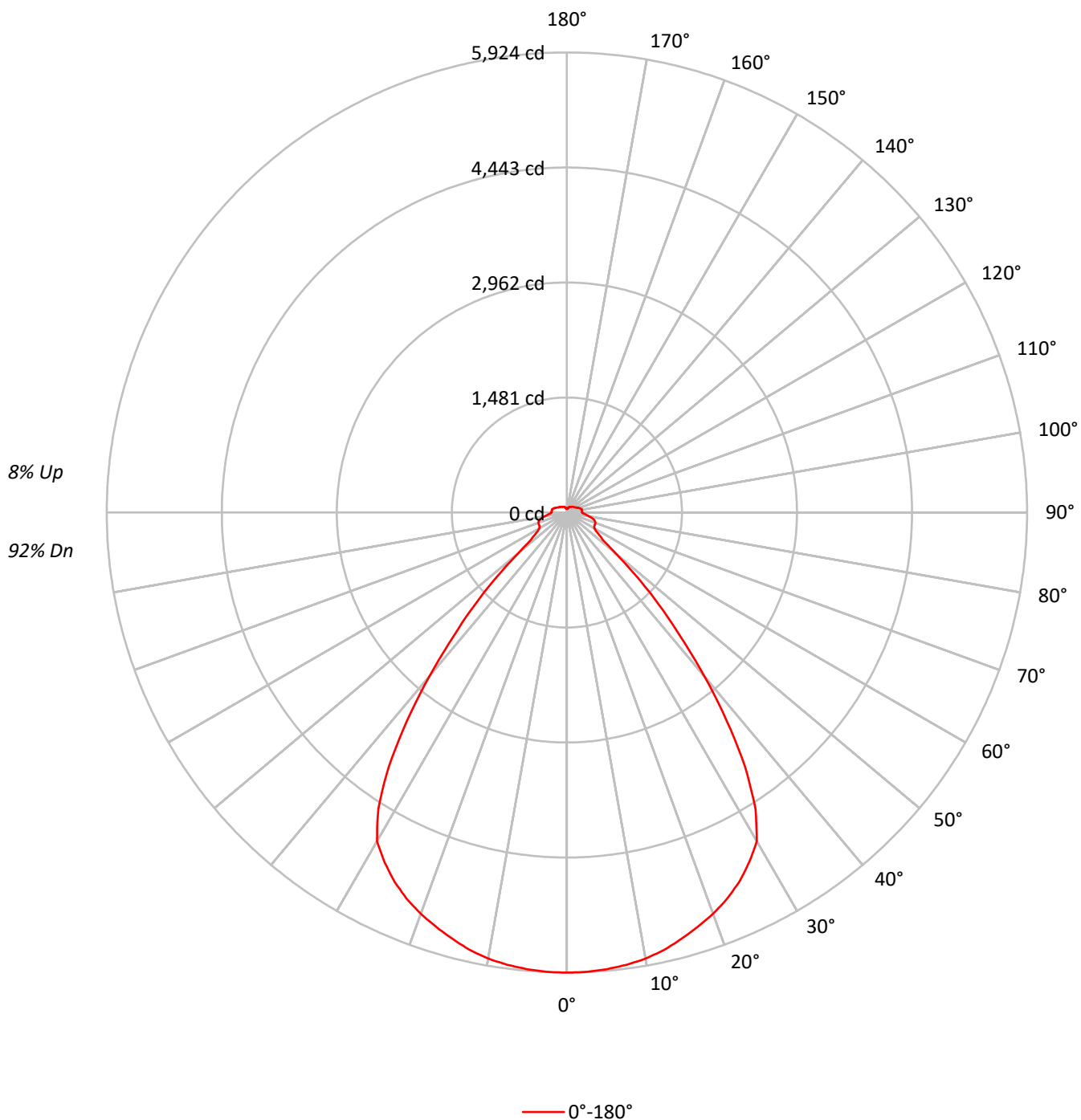
Lumens per Lamp: N/A
Luminaire Lumens: 10683.9 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 80.2
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°	47968
5°	46009
10°	44150
15°	42145
20°	40226
25°	38170
30°	35643
35°	29448
40°	20618
45°	12801
50°	6482
55°	4240
60°	3585
65°	3665
70°	3941
75°	3991
80°	3655
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.3	5.3
10°-20°	1605.0	15.0
20°-30°	2411.2	22.6
30°-40°	2441.7	22.9
40°-50°	1299.3	12.2
50°-60°	480.3	4.5
60°-70°	392.4	3.7
70°-80°	373.7	3.5
80°-90°	258.5	2.4
90°-100°	214.0	2.0
100°-110°	195.4	1.8
110°-120°	146.9	1.4
120°-130°	107.8	1.0
130°-140°	80.5	0.8
140°-150°	57.0	0.5
150°-160°	36.2	0.3
160°-170°	18.1	0.2
170°-180°	4.7	0.0
0°-30°	4577.5	42.8
0°-40°	7019.2	65.7
0°-60°	8798.8	82.4
0°-90°	9823.4	91.9
90°-120°	556.3	5.2
90°-150°	801.6	7.5
90°-180°	861.0	8.1
0°-180°	10683.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5924	
5°	5903	561
15°	5687	1605
25°	5247	2411
35°	4000	2442
45°	1665	1299
55°	510	480
65°	392	392
75°	360	374
85°	232	203
90°	196	109
95°	196	160
105°	186	195
115°	147	147
125°	119	108
135°	104	81
145°	90	57
155°	78	36
165°	63	18
175°	48	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5924.1
2.5°	5921.6
5°	5902.9
7.5°	5874.8
10°	5833.1
12.5°	5770.2
15°	5686.9
17.5°	5594.2
20°	5499.8
22.5°	5385.9
25°	5247.3
27.5°	5080.6
30°	4889.3
32.5°	4517.7
35°	3999.9
37.5°	3380.0
40°	2751.6
42.5°	2158.9
45°	1664.9
47.5°	1209.1
50°	814.6
52.5°	587.6
55°	510.2
57.5°	445.6
60°	409.0
62.5°	397.1
65°	392.0
67.5°	392.8
70°	390.3
72.5°	380.9
75°	360.5
77.5°	329.9
80°	295.9
82.5°	261.9
85°	232.1
87.5°	208.3
90°	195.6
92.5°	194.7
95°	196.4
97.5°	197.3
100°	196.4
102.5°	193.0
105°	186.2
107.5°	177.7
110°	166.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.5
115°	147.1
117.5°	138.6
120°	130.9
122.5°	125.0
125°	119.0
127.5°	114.8
130°	111.4
132.5°	107.1
135°	103.7
137.5°	100.3
140°	96.9
142.5°	93.5
145°	90.1
147.5°	87.6
150°	84.2
152.5°	81.6
155°	78.2
157.5°	74.0
160°	70.6
162.5°	67.2
165°	62.9
167.5°	59.5
170°	53.6
172.5°	48.5
175°	47.6
177.5°	47.6
180°	46.8

(END OF REPORT)