

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: P980569

Luminaire Tested: UHBS2-1218-M-L83065-LOW-6500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980569
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-6500K-FRR6
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

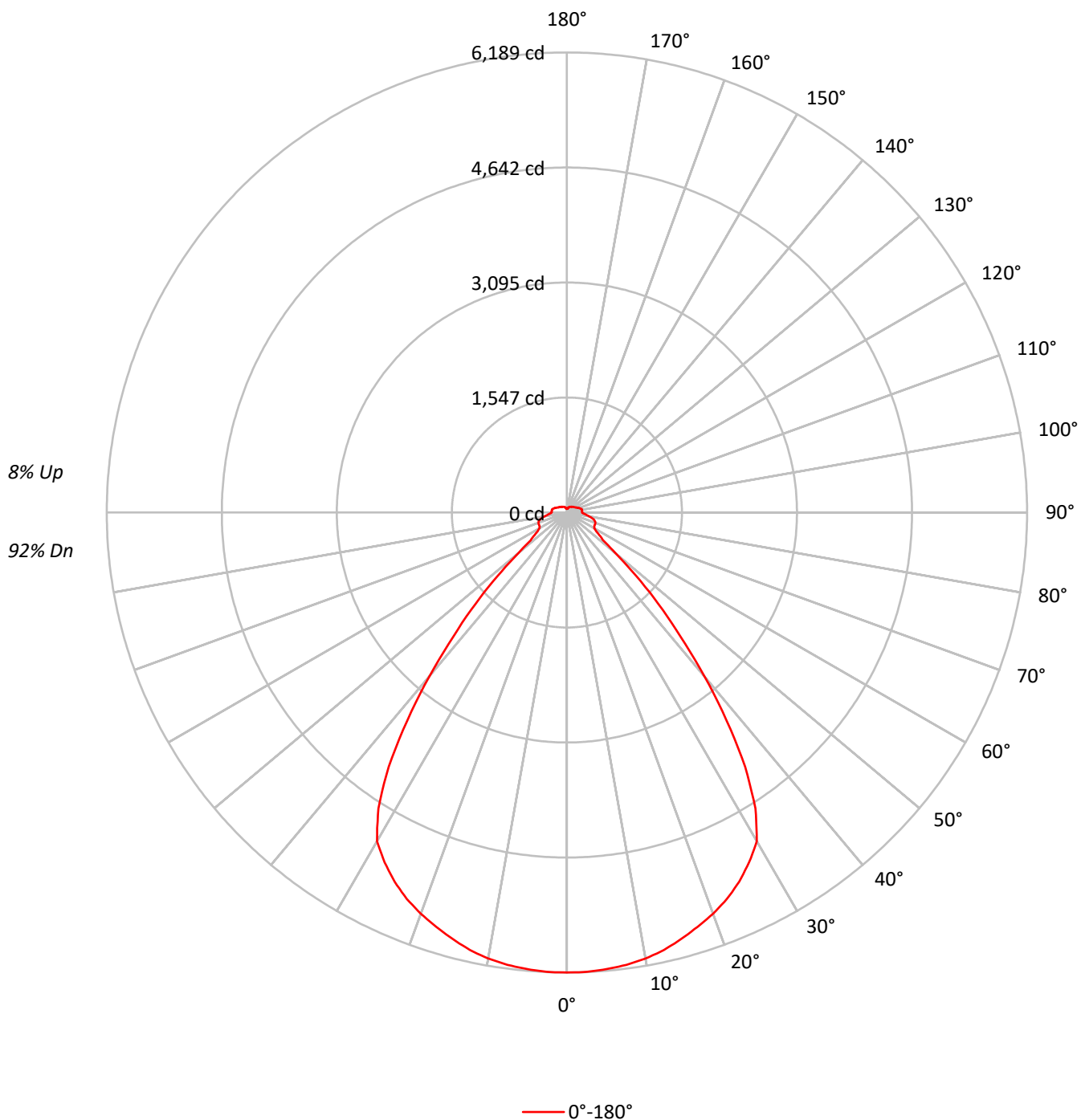
Lumens per Lamp: N/A
Luminaire Lumens: 11161.0 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 80.4
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°	50109
5°	48063
10°	46122
15°	44027
20°	42022
25°	39874
30°	37235
35°	30762
40°	21539
45°	13372
50°	6771
55°	4429
60°	3745
65°	3828
70°	4117
75°	4169
80°	3818
85°	3417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13372 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.4	5.3
10°-20°	1676.7	15.0
20°-30°	2518.8	22.6
30°-40°	2550.7	22.9
40°-50°	1357.3	12.2
50°-60°	501.8	4.5
60°-70°	409.9	3.7
70°-80°	390.4	3.5
80°-90°	270.0	2.4
90°-100°	223.5	2.0
100°-110°	204.1	1.8
110°-120°	153.4	1.4
120°-130°	112.7	1.0
130°-140°	84.2	0.8
140°-150°	59.5	0.5
150°-160°	37.8	0.3
160°-170°	18.9	0.2
170°-180°	4.9	0.0
0°-30°	4781.8	42.8
0°-40°	7332.5	65.7
0°-60°	9191.7	82.4
0°-90°	10262.0	91.9
90°-120°	581.1	5.2
90°-150°	837.4	7.5
90°-180°	899.0	8.1
0°-180°	11161.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6189	
5°	6166	586
15°	5941	1677
25°	5482	2519
35°	4178	2551
45°	1739	1357
55°	533	502
65°	410	410
75°	377	390
85°	242	212
90°	204	114
95°	205	168
105°	194	204
115°	154	153
125°	124	113
135°	108	84
145°	94	60
155°	82	38
165°	66	19
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6188.6
2.5°	6185.9
5°	6166.4
7.5°	6137.1
10°	6093.6
12.5°	6027.8
15°	5940.8
17.5°	5844.0
20°	5745.4
22.5°	5626.3
25°	5481.5
27.5°	5307.4
30°	5107.6
32.5°	4719.4
35°	4178.4
37.5°	3530.9
40°	2874.5
42.5°	2255.3
45°	1739.2
47.5°	1263.1
50°	851.0
52.5°	613.8
55°	533.0
57.5°	465.5
60°	427.3
62.5°	414.8
65°	409.5
67.5°	410.4
70°	407.7
72.5°	397.9
75°	376.6
77.5°	344.7
80°	309.1
82.5°	273.6
85°	242.5
87.5°	217.6
90°	204.3
92.5°	203.4
95°	205.2
97.5°	206.1
100°	205.2
102.5°	201.6
105°	194.5
107.5°	185.6
110°	174.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	163.4
115°	153.7
117.5°	144.8
120°	136.8
122.5°	130.6
125°	124.4
127.5°	119.9
130°	116.4
132.5°	111.9
135°	108.4
137.5°	104.8
140°	101.3
142.5°	97.7
145°	94.2
147.5°	91.5
150°	87.9
152.5°	85.3
155°	81.7
157.5°	77.3
160°	73.7
162.5°	70.2
165°	65.7
167.5°	62.2
170°	56.0
172.5°	50.6
175°	49.7
177.5°	49.7
180°	48.9

(END OF REPORT)