

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1036875

Luminaire Tested: UHBS2-4860-L8C5-MID-W-6500K

Issue Date: 5/30/2025

Test Information

Test Method: LM-79-2019
Report Number: P1036875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2504-430-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/30/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-4860-L8C5-MID-W-6500K
Description: UHBS Selectable High Bay at MID lumen, 6500K CCT settings with Wide beam
Light Source: -
Ballast/Driver: -

Summary

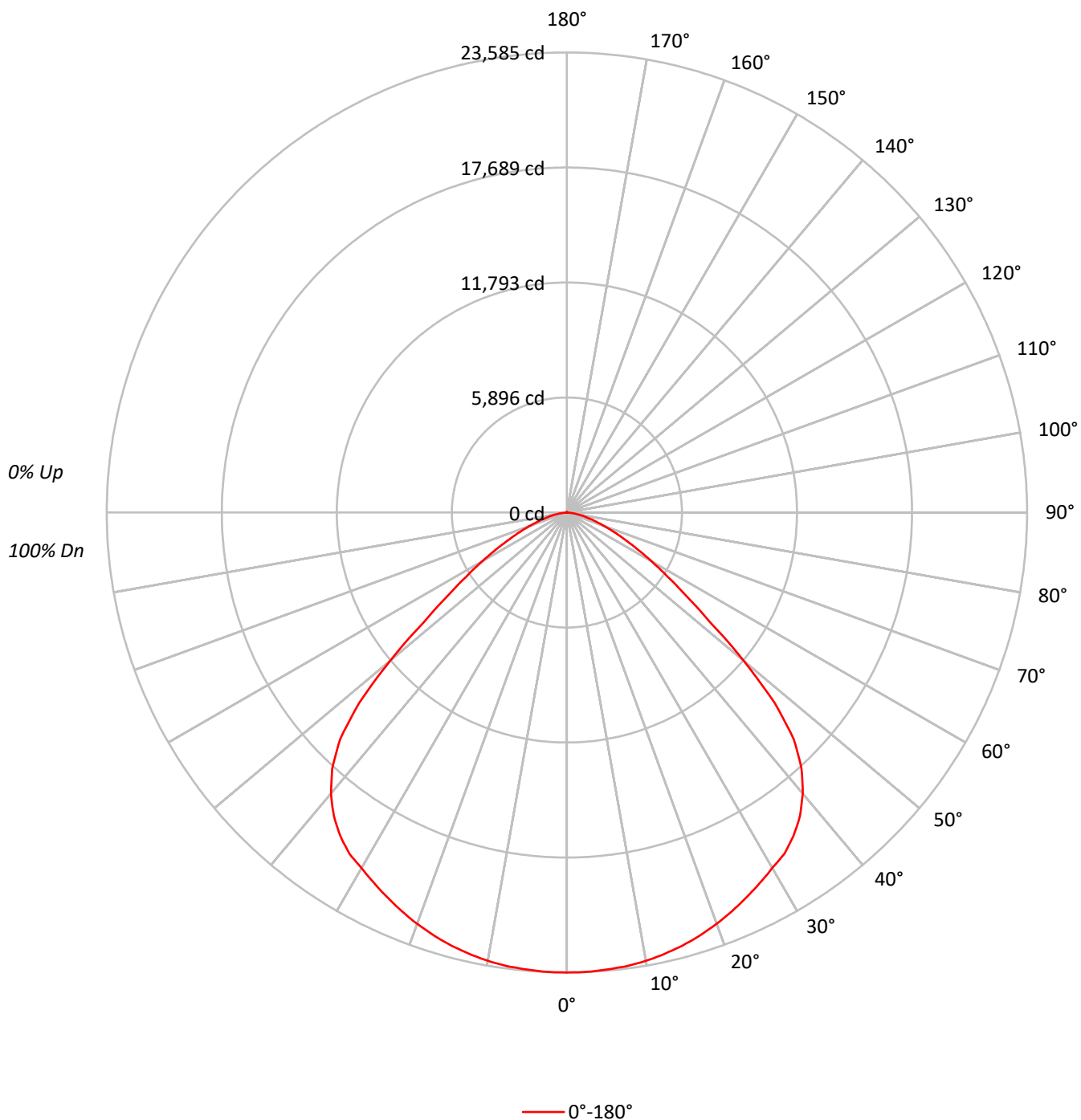
Lumens per Lamp: N/A
Luminaire Lumens: 55554.0 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.41
Luminous Opening: Circular (Dia: 1.67' x H: 0')
CIE Type: Direct

Input Watts (W): 354.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9978
Total Harmonic Distortion (THDi): 3.3895
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	103	100	108	105	102	99	101	98	96		97	95	93		93
2	102	95	90	85	100	94	88	84	90	86	82		87	83	80		84
3	94	85	78	73	92	84	77	72	81	75	71		78	74	70		76
4	87	77	69	63	85	75	68	63	73	67	62		71	65	61		69
5	81	69	61	55	79	68	60	55	66	59	54		64	58	54		62
6	75	63	55	49	73	62	54	48	60	53	48		58	52	48		57
7	70	57	49	43	68	56	49	43	55	48	43		53	47	43		52
8	65	52	44	39	63	52	44	39	50	43	39		49	43	38		48
9	61	48	40	35	59	47	40	35	46	40	35		45	39	35		44
10	57	44	37	32	56	44	37	32	43	36	32		42	36	32		41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116363
5°	116496
10°	116946
15°	117337
20°	117840
25°	118538
30°	119934
35°	121954
40°	121134
45°	114691
50°	90762
55°	64220
60°	49433
65°	38138
70°	29522
75°	22805
80°	16681
85°	7942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 114691 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2240.0	4.0
10°-20°	6490.3	11.7
20°-30°	10055.1	18.1
30°-40°	12621.7	22.7
40°-50°	12314.7	22.2
50°-60°	6953.8	12.5
60°-70°	3322.7	6.0
70°-80°	1307.2	2.4
80°-90°	222.4	0.4
90°-100°	0.8	0.0
100°-110°	1.0	0.0
110°-120°	1.2	0.0
120°-130°	2.3	0.0
130°-140°	4.2	0.0
140°-150°	5.7	0.0
150°-160°	5.3	0.0
160°-170°	4.1	0.0
170°-180°	1.6	0.0
0°-30°	18785.4	33.8
0°-40°	31407.1	56.5
0°-60°	50675.5	91.2
0°-90°	55527.9	100.0
90°-120°	2.9	0.0
90°-150°	15.1	0.0
90°-180°	26.0	0.0
0°-180°	55554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23585	
5°	23522	###
15°	22972	6490
25°	21775	10055
35°	20248	12622
45°	16437	12315
55°	7466	6954
65°	3267	3323
75°	1196	1307
85°	140	217
90°	3	6
95°	0	0
105°	1	1
115°	1	1
125°	3	2
135°	6	4
145°	9	6
155°	11	5
165°	15	4
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23584.7
2.5°	23572.7
5°	23522.0
7.5°	23454.6
10°	23342.9
12.5°	23173.0
15°	22971.8
17.5°	22729.0
20°	22443.8
22.5°	22118.0
25°	21774.6
27.5°	21417.3
30°	21051.8
32.5°	20743.5
35°	20247.8
37.5°	19621.0
40°	18807.8
42.5°	17801.6
45°	16437.3
47.5°	14425.0
50°	11824.7
52.5°	9262.2
55°	7465.9
57.5°	6111.7
60°	5009.6
62.5°	4068.0
65°	3266.8
67.5°	2602.2
70°	2046.5
72.5°	1584.0
75°	1196.3
77.5°	866.8
80°	587.1
82.5°	344.3
85°	140.3
87.5°	38.8
90°	2.8
92.5°	0.0
95°	0.0
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.9
115°	0.9
117.5°	1.8
120°	1.8
122.5°	1.8
125°	2.8
127.5°	2.8
130°	3.7
132.5°	4.6
135°	5.5
137.5°	6.5
140°	7.4
142.5°	8.3
145°	9.2
147.5°	10.2
150°	10.2
152.5°	11.1
155°	11.1
157.5°	12.0
160°	12.9
162.5°	13.8
165°	14.8
167.5°	15.7
170°	16.6
172.5°	16.6
175°	17.5
177.5°	17.5
180°	18.5

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	24.92	26.38	25.28	26.70	27.01	24.92	26.38	25.28	26.70	27.01
	3H	25.69	26.99	26.07	27.32	27.69	25.69	26.99	26.07	27.32	27.69
	4H	25.90	27.11	26.30	27.47	27.85	25.90	27.11	26.30	27.47	27.85
	6H	26.00	27.12	26.42	27.49	27.88	26.00	27.12	26.42	27.49	27.88
	8H	26.01	27.07	26.44	27.46	27.86	26.01	27.07	26.44	27.46	27.86
	12H	25.99	27.00	26.42	27.39	27.82	25.99	27.00	26.42	27.39	27.82
4H	2H	25.19	26.41	25.60	26.76	27.14	25.19	26.41	25.60	26.76	27.14
	3H	26.13	27.12	26.54	27.52	27.92	26.13	27.12	26.54	27.52	27.92
	4H	26.41	27.29	26.84	27.71	28.15	26.41	27.29	26.84	27.71	28.15
	6H	26.57	27.34	27.04	27.79	28.25	26.57	27.34	27.04	27.79	28.25
	8H	26.59	27.31	27.06	27.75	28.22	26.59	27.31	27.06	27.75	28.22
	12H	26.58	27.22	27.06	27.70	28.17	26.58	27.22	27.06	27.70	28.17
8H	4H	26.47	27.18	26.94	27.63	28.10	26.47	27.18	26.94	27.63	28.10
	6H	26.67	27.26	27.17	27.76	28.24	26.67	27.26	27.17	27.76	28.24
	8H	26.70	27.24	27.22	27.75	28.24	26.70	27.24	27.22	27.75	28.24
	12H	26.71	27.18	27.22	27.68	28.24	26.71	27.18	27.22	27.68	28.24
12H	4H	26.45	27.08	26.93	27.57	28.04	26.45	27.08	26.93	27.57	28.04
	6H	26.65	27.18	27.16	27.69	28.18	26.65	27.18	27.16	27.69	28.18
	8H	26.71	27.18	27.22	27.67	28.24	26.71	27.18	27.22	27.67	28.24