

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: P1036861

Luminaire Tested: UHBS2-4860-L8C5-MID-M-3000K

Issue Date: 5/30/2025

Test Information

Test Method: LM-79-2019
Report Number: P1036861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2504-430-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/30/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-4860-L8C5-MID-M-3000K
Description: UHBS Selectable High Bay at MID lumen, 3000K CCT settings with Medium beam
Light Source: -
Ballast/Driver: -

Summary

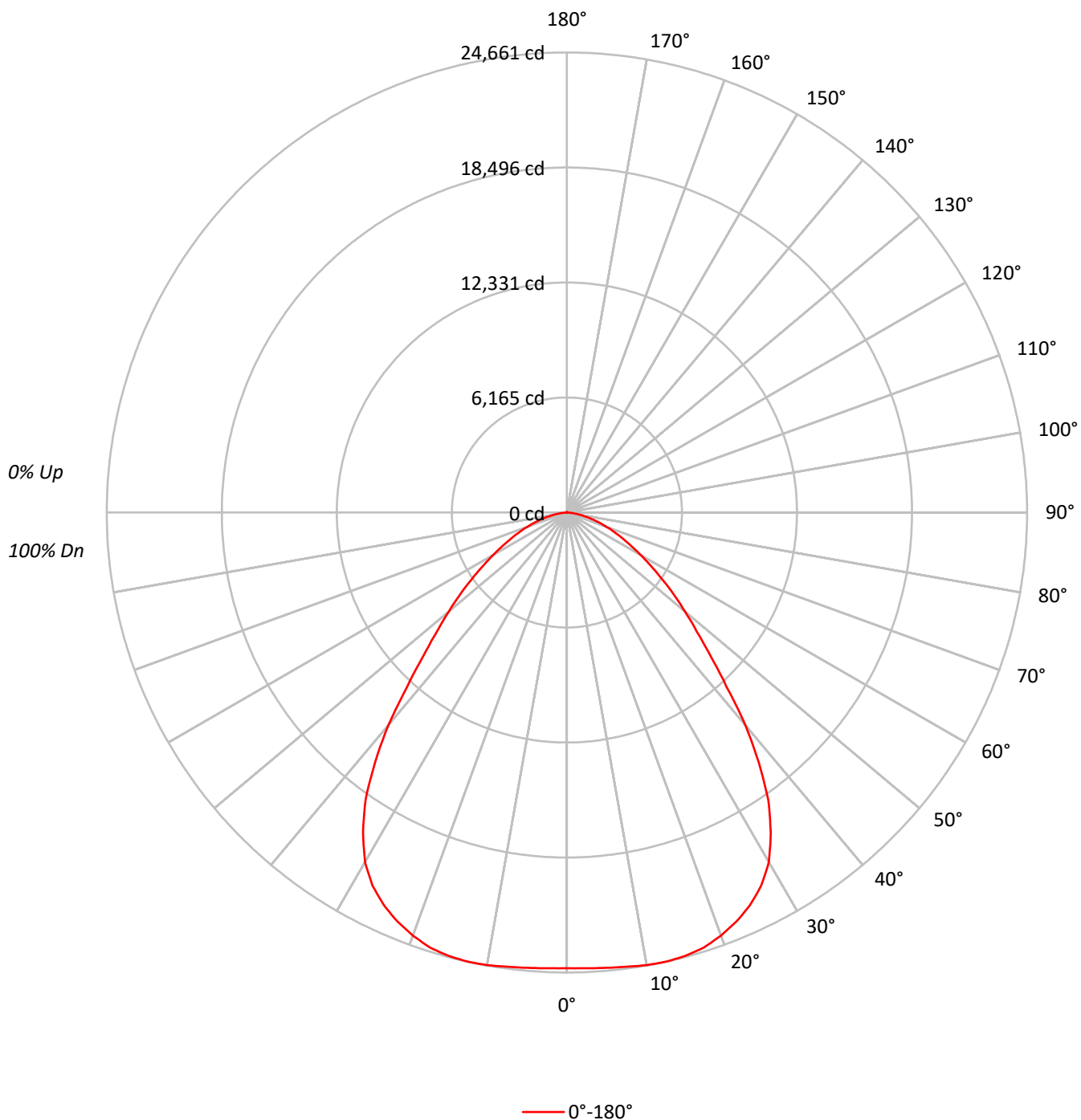
Lumens per Lamp: N/A
Luminaire Lumens: 50841.1 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.22
Luminous Opening: Circular (Dia: 1.67' x H: 0')
CIE Type: Direct

Input Watts (W): 356
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

TEST NUMBER: P1036861

CATALOG NUMBER: UHBS2-4860-L8C5-MID-M-3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1036861

CATALOG NUMBER: UHBS2-4860-L8C5-MID-M-3000K

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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	82		87	84	81		84
3	95	86	79	74	93	84	78	73	82	76	72		79	74	70		77
4	88	78	70	64	86	76	69	64	74	68	63		72	66	62		70
5	82	70	63	57	80	69	62	56	67	61	56		65	60	55		64
6	76	64	56	51	74	63	56	50	62	55	50		60	54	50		59
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	37	61	50	42	37	48	42	37		47	41	37		46
10	59	46	39	34	57	46	39	34	45	39	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120539
5°	121330
10°	123436
15°	125643
20°	126706
25°	126395
30°	123278
35°	113313
40°	95871
45°	75862
50°	63392
55°	53402
60°	45151
65°	38454
70°	32744
75°	27075
80°	20054
85°	12505

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75862 cd/sqm

TEST NUMBER: P1036861

CATALOG NUMBER: UHBS2-4860-L8C5-MID-M-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2342.9	4.6
10°-20°	6944.4	13.7
20°-30°	10658.4	21.0
30°-40°	11585.4	22.8
40°-50°	8553.4	16.8
50°-60°	5613.4	11.0
60°-70°	3305.1	6.5
70°-80°	1515.4	3.0
80°-90°	296.0	0.6
90°-100°	1.0	0.0
100°-110°	1.0	0.0
110°-120°	1.0	0.0
120°-130°	2.0	0.0
130°-140°	4.0	0.0
140°-150°	5.6	0.0
150°-160°	5.7	0.0
160°-170°	4.7	0.0
170°-180°	1.8	0.0
0°-30°	19945.6	39.2
0°-40°	31531.0	62.0
0°-60°	45697.8	89.9
0°-90°	50814.4	99.9
90°-120°	2.9	0.0
90°-150°	14.5	0.0
90°-180°	27.0	0.1
0°-180°	50841.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24431	
5°	24498	###
15°	24598	6944
25°	23218	10658
35°	18813	11585
45°	10872	8553
55°	6208	5613
65°	3294	3305
75°	1420	1515
85°	221	287
90°	3	9
95°	1	1
105°	1	1
115°	1	1
125°	2	2
135°	5	4
145°	9	6
155°	12	6
165°	17	5
175°	19	2
180°	20	

TEST NUMBER: P1036861

CATALOG NUMBER: UHBS2-4860-L8C5-MID-M-3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	24431.3
2.5°	24453.2
5°	24497.9
7.5°	24560.2
10°	24638.2
12.5°	24661.0
15°	24597.9
17.5°	24444.5
20°	24132.3
22.5°	23737.8
25°	23217.9
27.5°	22552.5
30°	21638.9
32.5°	20335.2
35°	18813.1
37.5°	16888.7
40°	14885.3
42.5°	12659.3
45°	10872.5
47.5°	9432.9
50°	8258.9
52.5°	7206.8
55°	6208.2
57.5°	5336.7
60°	4575.7
62.5°	3898.9
65°	3293.9
67.5°	2761.7
70°	2269.9
72.5°	1828.9
75°	1420.3
77.5°	1016.1
80°	705.8
82.5°	454.2
85°	220.9
87.5°	59.6
90°	2.6
92.5°	0.0
95°	0.9
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9

TEST NUMBER: P1036861

CATALOG NUMBER: UHBS2-4860-L8C5-MID-M-3000K

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.9
115°	0.9
117.5°	0.9
120°	1.8
122.5°	1.8
125°	1.8
127.5°	2.6
130°	3.5
132.5°	4.4
135°	5.3
137.5°	6.1
140°	7.0
142.5°	7.9
145°	8.8
147.5°	10.5
150°	10.5
152.5°	11.4
155°	12.3
157.5°	13.2
160°	14.9
162.5°	15.8
165°	16.7
167.5°	17.5
170°	18.4
172.5°	18.4
175°	19.3
177.5°	20.2
180°	20.2

TEST NUMBER: P1036861

CATALOG NUMBER: UHBS2-4860-L8C5-MID-M-3000K

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	24.38	25.78	24.74	26.10	26.42	24.38	25.78	24.74	26.10	26.42
	3H	25.52	26.78	25.90	27.11	27.47	25.52	26.78	25.90	27.11	27.47
	4H	25.88	27.06	26.29	27.41	27.79	25.88	27.06	26.29	27.41	27.79
	6H	26.07	27.15	26.49	27.52	27.91	26.07	27.15	26.49	27.52	27.91
	8H	26.11	27.13	26.54	27.52	27.93	26.11	27.13	26.54	27.52	27.93
	12H	26.11	27.09	26.54	27.47	27.90	26.11	27.09	26.54	27.47	27.90
4H	2H	24.77	25.94	25.17	26.29	26.67	24.77	25.94	25.17	26.29	26.67
	3H	26.11	27.07	26.52	27.47	27.88	26.11	27.07	26.52	27.47	27.88
	4H	26.56	27.42	27.00	27.84	28.29	26.56	27.42	27.00	27.84	28.29
	6H	26.83	27.58	27.29	28.02	28.49	26.83	27.58	27.29	28.02	28.49
	8H	26.89	27.58	27.35	28.03	28.50	26.89	27.58	27.35	28.03	28.50
	12H	26.91	27.52	27.39	28.01	28.48	26.91	27.52	27.39	28.01	28.48
8H	4H	26.69	27.39	27.16	27.83	28.31	26.69	27.39	27.16	27.83	28.31
	6H	27.02	27.59	27.52	28.09	28.57	27.02	27.59	27.52	28.09	28.57
	8H	27.11	27.62	27.63	28.14	28.63	27.11	27.62	27.63	28.14	28.63
	12H	27.16	27.62	27.68	28.11	28.68	27.16	27.62	27.68	28.11	28.68
12H	4H	26.68	27.30	27.16	27.78	28.25	26.68	27.30	27.16	27.78	28.25
	6H	27.01	27.53	27.53	28.04	28.53	27.01	27.53	27.53	28.04	28.53
	8H	27.14	27.59	27.65	28.09	28.66	27.14	27.59	27.65	28.09	28.66

END OF REPORT