

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: P980741

Luminaire Tested: UHBS2-2436-W-L83065-HIGH-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-HIGH-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

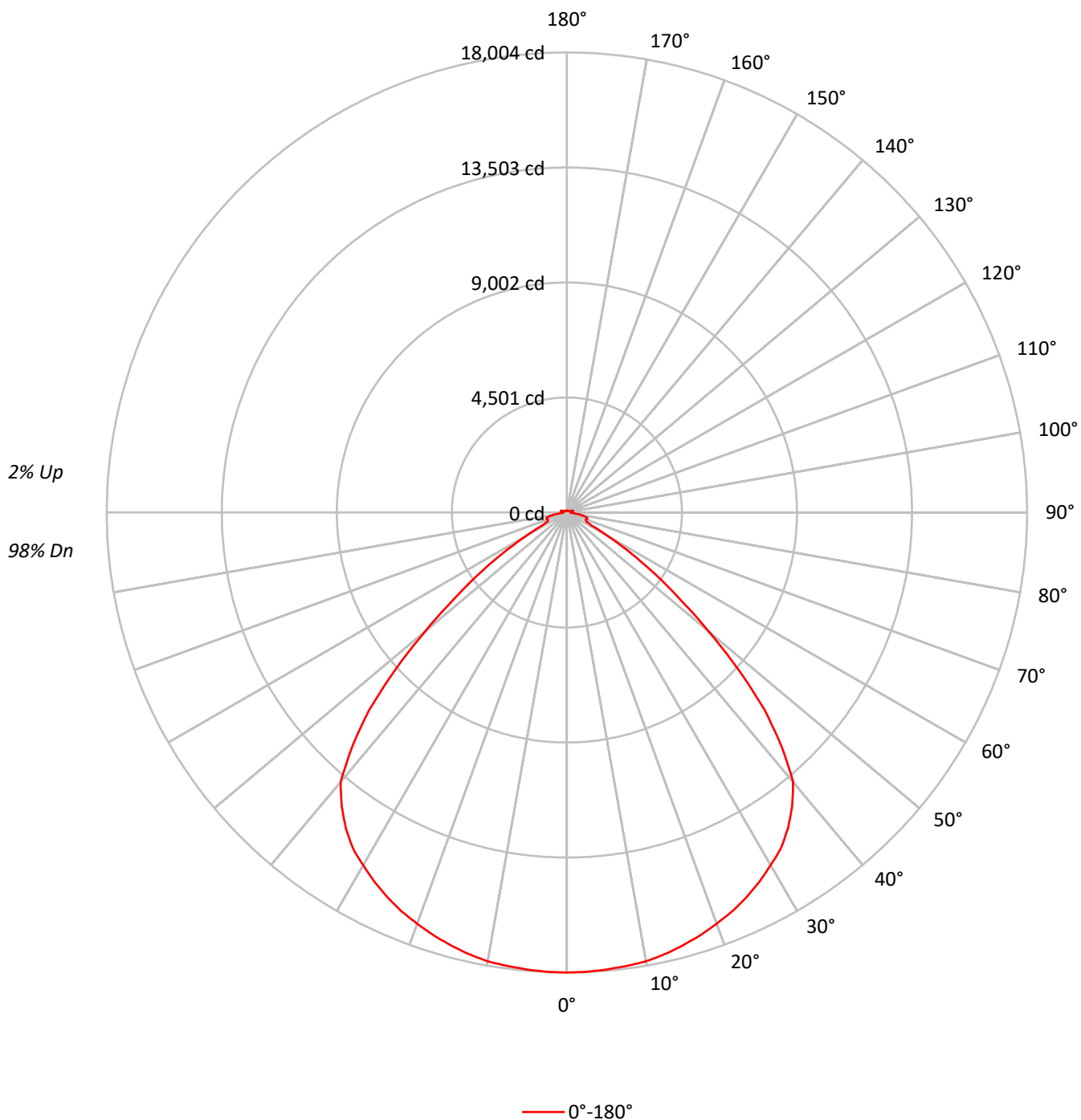
Lumens per Lamp: N/A
Luminaire Lumens: 38764.0 lumens
Efficiency: N/A
Efficacy: 167.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 232.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.999
Total Harmonic Distortion (THDi): 5.15
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					30					10					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		110	110	110		105	105	105		100	100	100
1	111	107	104	101		108	105	102	99		100	98	95		96	94	92		92	90	89
2	103	96	91	86		100	94	89	85		90	86	83		87	84	81		84	81	79
3	95	87	80	75		93	85	79	74		82	77	72		79	75	71		76	73	69
4	88	78	71	65		86	77	70	65		74	68	64		72	67	63		70	65	62
5	82	71	63	58		80	70	63	57		68	61	57		66	60	56		64	59	55
6	76	65	57	51		74	64	56	51		62	55	50		60	54	50		58	53	49
7	71	59	51	46		69	58	51	46		57	50	45		55	49	45		54	48	44
8	67	54	47	41		65	54	46	41		52	46	41		51	45	41		50	44	40
9	62	50	43	38		61	49	42	37		48	42	37		47	41	37		46	41	37
10	58	46	39	34		57	46	39	34		45	38	34		44	38	34		43	37	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138036
5°	135324
10°	133250
15°	130835
20°	128590
25°	126546
30°	124067
35°	120973
40°	114870
45°	95790
50°	67235
55°	42294
60°	20125
65°	10197
70°	10921
75°	12912
80°	10058
85°	5238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1709.8	4.4
10°-20°	4955.3	12.8
20°-30°	7660.9	19.8
30°-40°	9394.8	24.2
40°-50°	8251.3	21.3
50°-60°	3847.3	9.9
60°-70°	999.5	2.6
70°-80°	806.8	2.1
80°-90°	289.2	0.7
90°-100°	187.1	0.5
100°-110°	257.0	0.7
110°-120°	148.1	0.4
120°-130°	81.2	0.2
130°-140°	61.3	0.2
140°-150°	52.2	0.1
150°-160°	37.9	0.1
160°-170°	19.2	0.0
170°-180°	5.1	0.0
0°-30°	14326.0	37.0
0°-40°	23720.8	61.2
0°-60°	35819.4	92.4
0°-90°	37914.8	97.8
90°-120°	592.3	1.5
90°-150°	787.0	2.0
90°-180°	849.0	2.2
0°-180°	38764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18004	
5°	17950	###
15°	17535	4955
25°	16620	7661
35°	15080	9395
45°	10938	8251
55°	4240	3847
65°	849	999
75°	823	807
85°	222	249
90°	132	78
95°	164	150
105°	256	257
115°	144	148
125°	89	81
135°	78	61
145°	84	52
155°	84	38
165°	66	19
175°	52	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18004.3
2.5°	17989.9
5°	17949.6
7.5°	17897.8
10°	17834.5
12.5°	17704.9
15°	17535.1
17.5°	17348.0
20°	17126.4
22.5°	16896.1
25°	16619.8
27.5°	16294.5
30°	15940.5
32.5°	15583.6
35°	15079.8
37.5°	14472.5
40°	13770.2
42.5°	12437.5
45°	10937.9
47.5°	9098.6
50°	7236.3
52.5°	5589.8
55°	4239.9
57.5°	2982.0
60°	1853.7
62.5°	1076.5
65°	849.1
67.5°	794.4
70°	805.9
72.5°	837.6
75°	823.2
77.5°	722.5
80°	535.4
82.5°	345.4
85°	221.6
87.5°	161.2
90°	132.4
92.5°	141.0
95°	164.1
97.5°	198.6
100°	233.1
102.5°	256.2
105°	256.2
107.5°	238.9
110°	207.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	172.7
115°	143.9
117.5°	120.9
120°	106.5
122.5°	95.0
125°	89.2
127.5°	83.5
130°	80.6
132.5°	77.7
135°	77.7
137.5°	80.6
140°	80.6
142.5°	83.5
145°	83.5
147.5°	83.5
150°	83.5
152.5°	83.5
155°	83.5
157.5°	80.6
160°	74.8
162.5°	72.0
165°	66.2
167.5°	63.3
170°	57.6
172.5°	51.8
175°	51.8
177.5°	51.8
180°	51.8

(END OF REPORT)