

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: P980725

Luminaire Tested: UHBS2-2436-N-L83065-MID-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-MID-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

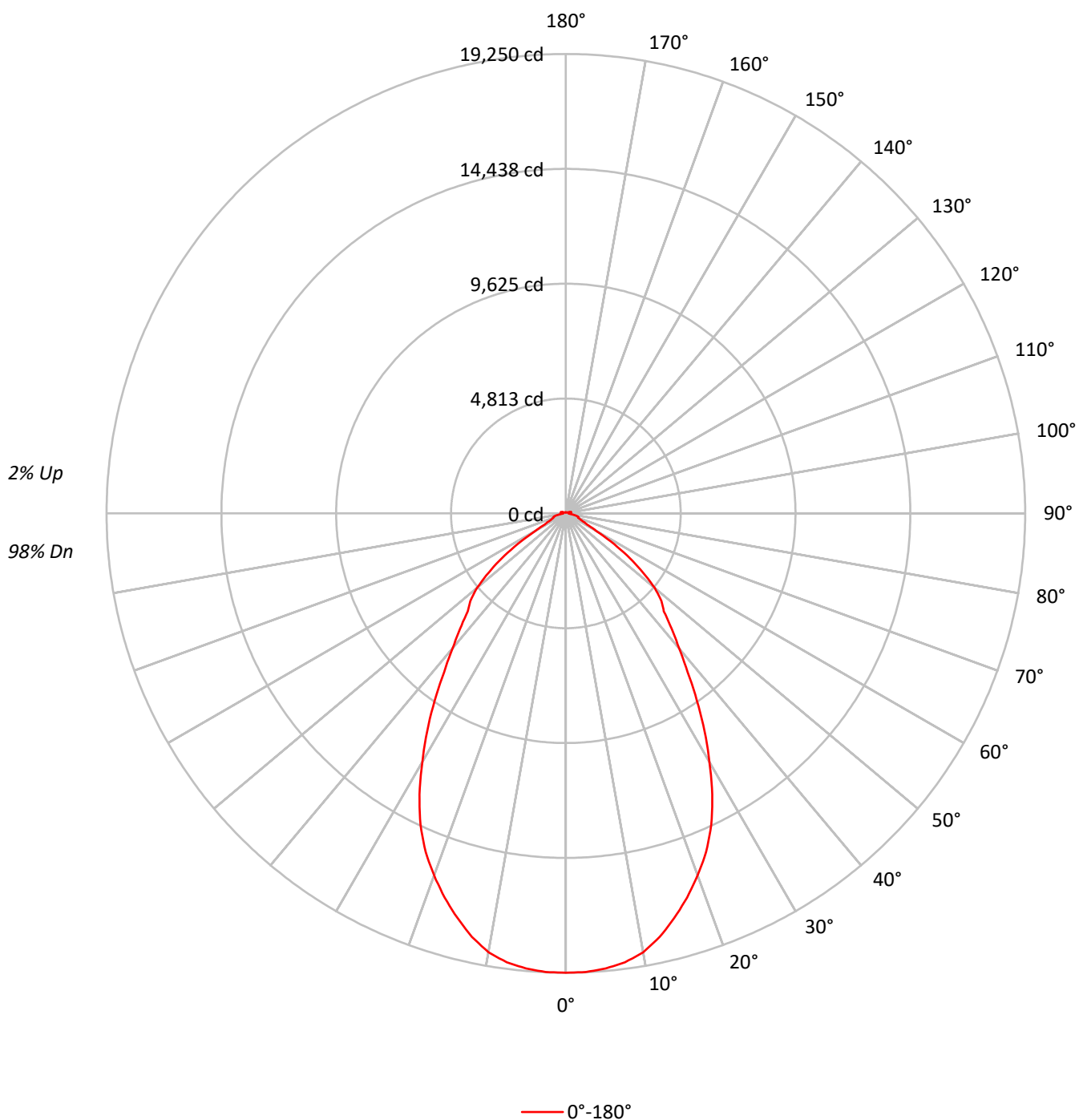
Lumens per Lamp: N/A
Luminaire Lumens: 28960.9 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 194.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
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					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		115	115	115	115		110	110	110		105	105	105		100	100	100
1	111	107	104	101		108	105	102	100		101	98	96		96	94	93		93	91	90
2	104	97	92	88		101	95	91	87		92	88	84		88	85	82		85	82	80
3	97	88	82	77		94	87	81	76		84	79	74		81	76	73		78	75	72
4	90	80	73	68		88	79	73	67		76	71	66		74	69	65		72	68	64
5	84	74	66	61		82	72	66	60		70	64	60		68	63	59		66	62	58
6	79	68	60	55		77	67	60	55		65	59	54		63	58	53		61	57	53
7	74	62	55	50		72	61	54	50		60	54	49		58	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		54	49	45		53	48	44
9	65	54	47	42		64	53	46	42		52	46	41		51	45	41		50	44	41
10	62	50	43	39		60	49	43	38		48	42	38		47	42	38		46	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147587
5°	144324
10°	139504
15°	130982
20°	121232
25°	109744
30°	93689
35°	76824
40°	61551
45°	50851
50°	45183
55°	32804
60°	16037
65°	9369
70°	7711
75°	7997
80°	5790
85°	3475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1812.9	6.3
10°-20°	4926.0	17.0
20°-30°	6558.0	22.6
30°-40°	5985.9	20.7
40°-50°	4606.5	15.9
50°-60°	2871.0	9.9
60°-70°	847.6	2.9
70°-80°	508.2	1.8
80°-90°	185.3	0.6
90°-100°	164.1	0.6
100°-110°	214.1	0.7
110°-120°	105.9	0.4
120°-130°	55.9	0.2
130°-140°	42.5	0.1
140°-150°	34.2	0.1
150°-160°	24.9	0.1
160°-170°	13.8	0.0
170°-180°	4.2	0.0
0°-30°	13296.9	45.9
0°-40°	19282.8	66.6
0°-60°	26760.3	92.4
0°-90°	28301.4	97.7
90°-120°	484.1	1.7
90°-150°	616.7	2.1
90°-180°	659.0	2.3
0°-180°	28960.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19250	
5°	19143	###
15°	17555	4926
25°	14413	6558
35°	9576	5986
45°	5806	4606
55°	3289	2871
65°	780	848
75°	510	508
85°	147	154
90°	109	63
95°	145	133
105°	213	214
115°	102	106
125°	62	56
135°	54	42
145°	54	34
155°	54	25
165°	47	14
175°	43	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19250.0
2.5°	19235.8
5°	19143.3
7.5°	18975.0
10°	18671.5
12.5°	18183.1
15°	17554.8
17.5°	16883.8
20°	16146.4
22.5°	15364.0
25°	14413.2
27.5°	13287.0
30°	12037.5
32.5°	10818.8
35°	9576.4
37.5°	8381.4
40°	7378.5
42.5°	6565.3
45°	5806.5
47.5°	5431.9
50°	4862.9
52.5°	4071.0
55°	3288.6
57.5°	2399.4
60°	1477.1
62.5°	991.1
65°	780.1
67.5°	642.5
70°	569.0
72.5°	545.3
75°	509.8
77.5°	431.5
80°	308.2
82.5°	206.3
85°	147.0
87.5°	118.5
90°	109.1
92.5°	120.9
95°	144.6
97.5°	177.8
100°	208.6
102.5°	222.9
105°	213.4
107.5°	189.7
110°	156.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.7
115°	102.0
117.5°	83.0
120°	71.1
122.5°	64.0
125°	61.6
127.5°	59.3
130°	56.9
132.5°	54.5
135°	54.5
137.5°	54.5
140°	54.5
142.5°	54.5
145°	54.5
147.5°	54.5
150°	54.5
152.5°	54.5
155°	54.5
157.5°	52.2
160°	52.2
162.5°	49.8
165°	47.4
167.5°	47.4
170°	45.0
172.5°	42.7
175°	42.7
177.5°	45.0
180°	45.0

(END OF REPORT)