

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: P1175821

Luminaire Tested: UHBS2-2436-M-L83065-MID-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-MID-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

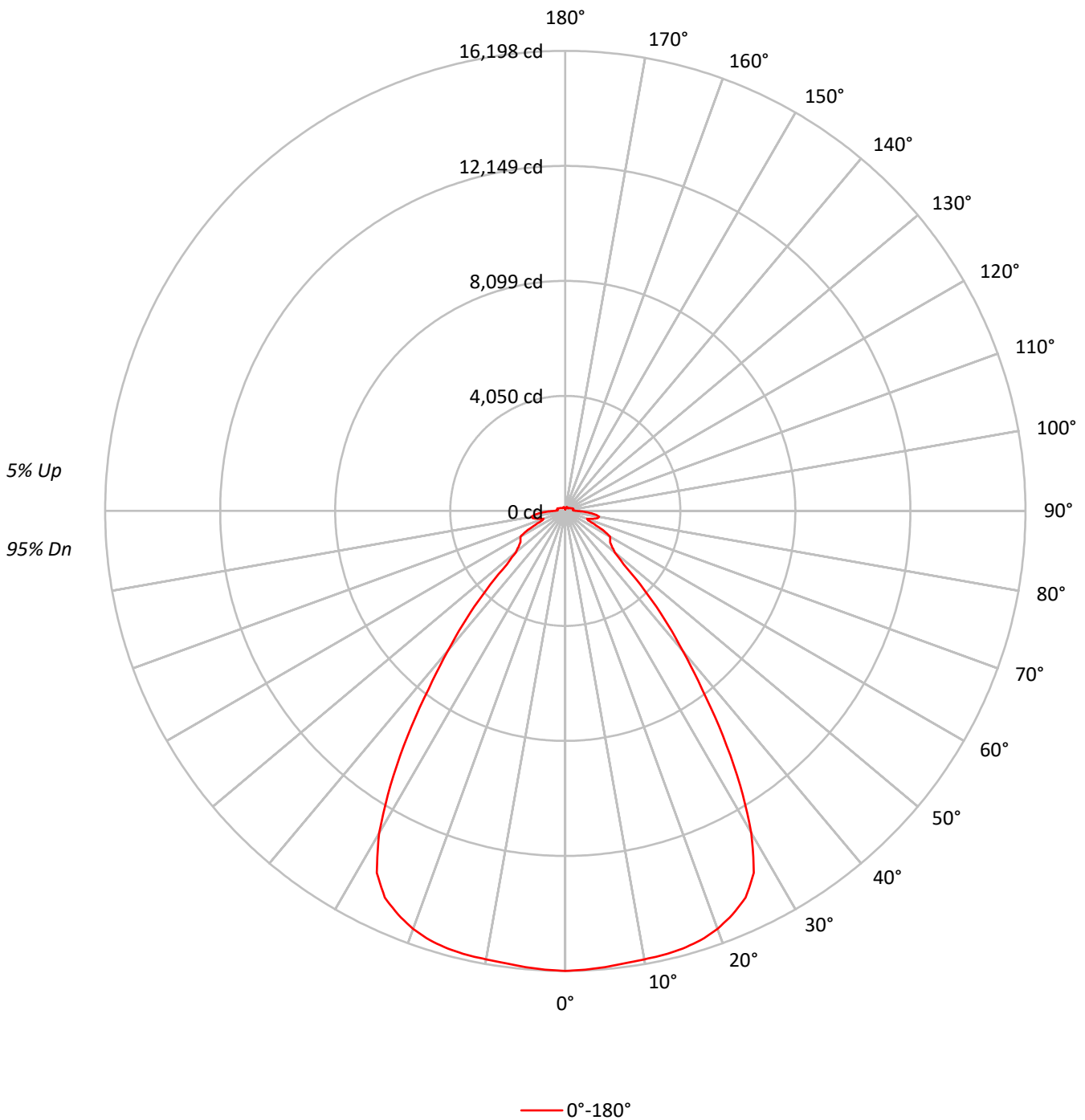
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28272.0 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102455
5°	98643
10°	95683
15°	93655
20°	91107
25°	87262
30°	76563
35°	57338
40°	38905
45°	24470
50°	14766
55°	13136
60°	13167
65°	8946
70°	6901
75°	9862
80°	12715
85°	11045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24470 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1535.9	5.4
10°-20°	4507.3	15.9
20°-30°	6814.4	24.1
30°-40°	6009.0	21.3
40°-50°	3090.5	10.9
50°-60°	1772.9	6.3
60°-70°	1208.0	4.3
70°-80°	1100.6	3.9
80°-90°	939.7	3.3
90°-100°	322.2	1.1
100°-110°	298.7	1.1
110°-120°	223.2	0.8
120°-130°	155.3	0.5
130°-140°	106.1	0.4
140°-150°	83.5	0.3
150°-160°	64.6	0.2
160°-170°	32.7	0.1
170°-180°	7.4	0.0
0°-30°	12857.6	45.5
0°-40°	18866.6	66.7
0°-60°	23730.0	83.9
0°-90°	26978.3	95.4
90°-120°	844.1	3.0
90°-150°	1189.0	4.2
90°-180°	1294.0	4.6
0°-180°	28272.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16198	
5°	16124	###
15°	15960	4507
25°	15025	6814
35°	9674	6009
45°	3919	3091
55°	1927	1773
65°	1152	1208
75°	1055	1101
85°	904	798
90°	400	237
95°	268	227
105°	289	299
115°	222	223
125°	174	155
135°	134	106
145°	132	83
155°	141	65
165°	113	33
175°	72	7
180°	60	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16198.2
2.5°	16172.7
5°	16124.1
7.5°	16064.0
10°	16033.9
12.5°	16013.1
15°	15959.9
17.5°	15851.2
20°	15666.1
22.5°	15383.9
25°	15025.3
27.5°	14370.6
30°	13100.6
32.5°	11462.7
35°	9674.5
37.5°	7897.8
40°	6421.9
42.5°	5144.9
45°	3918.8
47.5°	2789.9
50°	2274.0
52.5°	2072.8
55°	1927.0
57.5°	1873.8
60°	1820.6
62.5°	1554.6
65°	1152.1
67.5°	872.1
70°	816.6
72.5°	911.5
75°	1054.9
77.5°	1177.5
80°	1205.3
82.5°	1110.4
85°	904.5
87.5°	631.5
90°	400.2
92.5°	298.4
95°	268.4
97.5°	273.0
100°	282.2
102.5°	291.5
105°	289.2
107.5°	277.6
110°	259.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	240.6
115°	222.1
117.5°	208.2
120°	194.3
122.5°	185.1
125°	173.5
127.5°	159.6
130°	150.4
132.5°	141.1
135°	134.2
137.5°	131.9
140°	129.5
142.5°	131.9
145°	131.9
147.5°	134.2
150°	138.8
152.5°	141.1
155°	141.1
157.5°	138.8
160°	134.2
162.5°	124.9
165°	113.4
167.5°	101.8
170°	90.2
172.5°	81.0
175°	71.7
177.5°	64.8
180°	60.1

(END OF REPORT)