

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: P1175822

Luminaire Tested: UHBS2-2436-M-L83065-MID-3500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175822
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-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

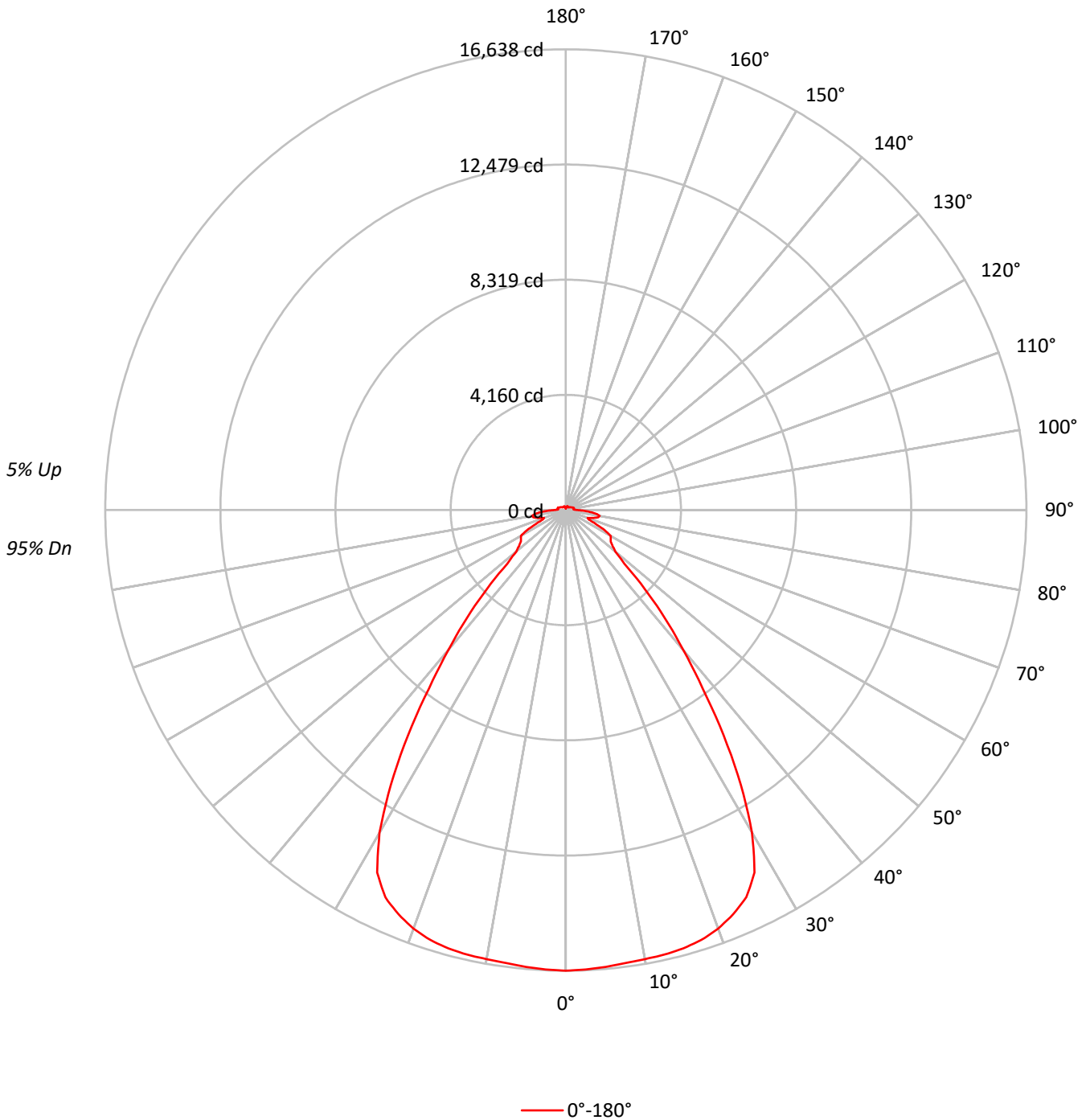
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29039.0 lumens
Efficiency: N/A
Efficacy: 150.9 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): 192.4
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°	105234
5°	101320
10°	98279
15°	96196
20°	93579
25°	89629
30°	78640
35°	58893
40°	39961
45°	25135
50°	15166
55°	13493
60°	13525
65°	9188
70°	7089
75°	10129
80°	13060
85°	11345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25135 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1577.6	5.4
10°-20°	4629.6	15.9
20°-30°	6999.2	24.1
30°-40°	6172.0	21.3
40°-50°	3174.4	10.9
50°-60°	1821.0	6.3
60°-70°	1240.8	4.3
70°-80°	1130.4	3.9
80°-90°	965.2	3.3
90°-100°	331.0	1.1
100°-110°	306.8	1.1
110°-120°	229.2	0.8
120°-130°	159.5	0.5
130°-140°	109.0	0.4
140°-150°	85.7	0.3
150°-160°	66.3	0.2
160°-170°	33.6	0.1
170°-180°	7.6	0.0
0°-30°	13206.4	45.5
0°-40°	19378.4	66.7
0°-60°	24373.8	83.9
0°-90°	27710.3	95.4
90°-120°	866.9	3.0
90°-150°	1221.2	4.2
90°-180°	1329.0	4.6
0°-180°	29039.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16638	
5°	16562	###
15°	16393	4630
25°	15433	6999
35°	9937	6172
45°	4025	3174
55°	1979	1821
65°	1183	1241
75°	1084	1130
85°	929	820
90°	411	244
95°	276	233
105°	297	307
115°	228	229
125°	178	160
135°	138	109
145°	135	86
155°	145	66
165°	116	34
175°	74	8
180°	62	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16637.6
2.5°	16611.5
5°	16561.6
7.5°	16499.8
10°	16468.9
12.5°	16447.5
15°	16392.9
17.5°	16281.2
20°	16091.1
22.5°	15801.2
25°	15432.9
27.5°	14760.5
30°	13456.0
32.5°	11773.7
35°	9936.9
37.5°	8112.1
40°	6596.1
42.5°	5284.5
45°	4025.2
47.5°	2865.6
50°	2335.7
52.5°	2129.0
55°	1979.3
57.5°	1924.7
60°	1870.0
62.5°	1596.8
65°	1183.3
67.5°	895.8
70°	838.8
72.5°	936.2
75°	1083.5
77.5°	1209.4
80°	1238.0
82.5°	1140.5
85°	929.1
87.5°	648.7
90°	411.1
92.5°	306.5
95°	275.6
97.5°	280.4
100°	289.9
102.5°	299.4
105°	297.0
107.5°	285.1
110°	266.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	247.1
115°	228.1
117.5°	213.9
120°	199.6
122.5°	190.1
125°	178.2
127.5°	164.0
130°	154.4
132.5°	144.9
135°	137.8
137.5°	135.4
140°	133.1
142.5°	135.4
145°	135.4
147.5°	137.8
150°	142.6
152.5°	144.9
155°	144.9
157.5°	142.6
160°	137.8
162.5°	128.3
165°	116.4
167.5°	104.5
170°	92.7
172.5°	83.2
175°	73.7
177.5°	66.5
180°	61.8

(END OF REPORT)