

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: P980726

Luminaire Tested: UHBS2-2436-N-L83065-MID-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-MID-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

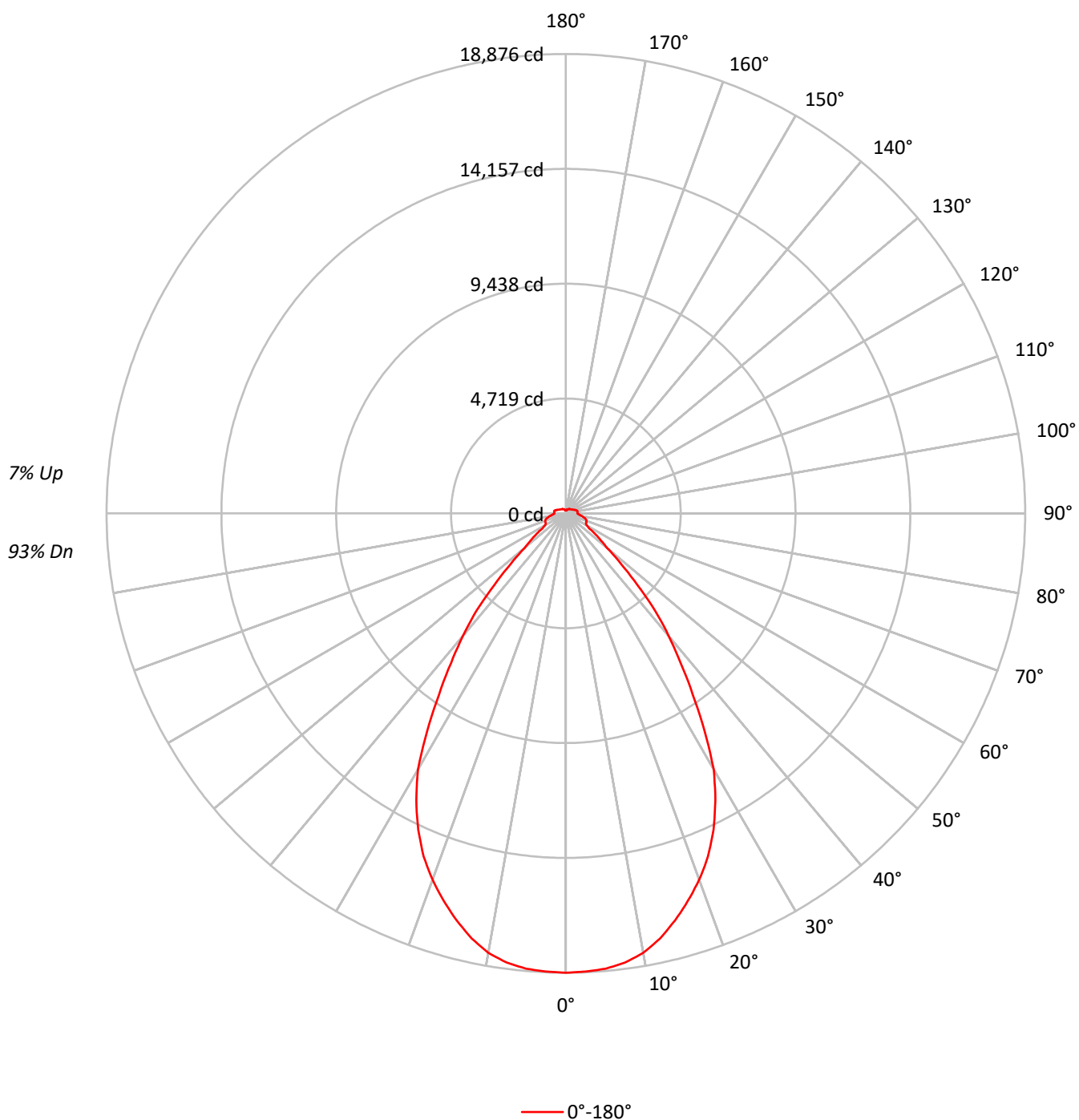
Lumens per Lamp: N/A
Luminaire Lumens: 27950.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

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

TEST NUMBER: P980726

CATALOG NUMBER: UHBS2-2436-N-L83065-MID-3000K-FRR6

Luminous Intensity Polar Plot



TEST NUMBER: P980726

CATALOG NUMBER: UHBS2-2436-N-L83065-MID-3000K-FRR6

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95
1	109	105	102	99	106	102	99	97	97	94	92	92	90	88	87	86	84
2	102	95	90	85	99	93	88	84	88	84	81	84	81	78	80	78	75
3	95	87	80	75	92	85	79	74	81	76	72	77	73	70	74	71	68
4	89	79	72	67	86	78	71	66	74	69	65	71	67	63	69	65	62
5	83	73	66	60	81	71	65	60	69	63	58	66	61	57	64	59	56
6	78	67	60	55	76	66	59	54	64	58	53	61	56	52	59	55	51
7	73	62	55	50	71	61	54	50	59	53	49	57	52	48	55	51	47
8	69	58	51	46	67	57	50	46	55	49	45	53	48	44	52	47	44
9	65	54	47	42	64	53	47	42	52	46	42	50	45	41	49	44	40
10	62	50	44	39	60	50	43	39	48	43	39	47	42	38	46	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119394
5°	114880
10°	109410
15°	101651
20°	93185
25°	83357
30°	70992
35°	53894
40°	39846
45°	25912
50°	14367
55°	9907
60°	7165
65°	7075
70°	7642
75°	7711
80°	7099
85°	6619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25912 cd/sqm

TEST NUMBER: P980726

CATALOG NUMBER: UHBS2-2436-N-L83065-MID-3000K-FRR6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1778.6	6.4
10°-20°	4861.9	17.4
20°-30°	6544.2	23.4
30°-40°	5712.7	20.4
40°-50°	3258.2	11.7
50°-60°	1332.4	4.8
60°-70°	918.8	3.3
70°-80°	856.5	3.1
80°-90°	603.3	2.2
90°-100°	525.1	1.9
100°-110°	481.1	1.7
110°-120°	352.8	1.3
120°-130°	255.4	0.9
130°-140°	191.0	0.7
140°-150°	136.0	0.5
150°-160°	86.8	0.3
160°-170°	43.7	0.2
170°-180°	11.6	0.0
0°-30°	13184.7	47.2
0°-40°	18897.4	67.6
0°-60°	23488.0	84.0
0°-90°	25866.6	92.5
90°-120°	1359.0	4.9
90°-150°	1941.3	6.9
90°-180°	2083.0	7.5
0°-180°	27950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18876	
5°	18778	###
15°	17322	4862
25°	14353	6544
35°	9094	5713
45°	4150	3258
55°	1453	1332
65°	911	919
75°	825	856
85°	542	471
90°	472	263
95°	481	395
105°	460	481
115°	353	353
125°	283	255
135°	245	191
145°	215	136
155°	187	87
165°	154	44
175°	119	12
180°	117	

TEST NUMBER: P980726

CATALOG NUMBER: UHBS2-2436-N-L83065-MID-3000K-FRR6

CANDELA DISTRIBUTION (FULL):

0°	
0°	18876.3
2.5°	18845.9
5°	18778.1
7.5°	18619.3
10°	18334.2
12.5°	17890.3
15°	17322.5
17.5°	16691.7
20°	16023.5
22.5°	15261.8
25°	14352.9
27.5°	13308.5
30°	12147.3
32.5°	10602.9
35°	9093.5
37.5°	7754.7
40°	6577.1
42.5°	5446.3
45°	4149.6
47.5°	3084.1
50°	2212.6
52.5°	1808.4
55°	1453.3
57.5°	1126.2
60°	990.7
62.5°	932.2
65°	911.2
67.5°	913.6
70°	904.2
72.5°	876.2
75°	824.8
77.5°	752.3
80°	672.9
82.5°	602.8
85°	542.1
87.5°	495.3
90°	472.0
92.5°	476.6
95°	481.3
97.5°	488.3
100°	486.0
102.5°	476.6
105°	460.3
107.5°	434.6
110°	406.5

TEST NUMBER: P980726

CATALOG NUMBER: UHBS2-2436-N-L83065-MID-3000K-FRR6

CANDELA DISTRIBUTION (continued):

	0°
112.5°	378.5
115°	352.8
117.5°	329.4
120°	310.7
122.5°	296.7
125°	282.7
127.5°	271.0
130°	261.7
132.5°	254.7
135°	245.3
137.5°	238.3
140°	231.3
142.5°	224.3
145°	215.0
147.5°	207.9
150°	200.9
152.5°	193.9
155°	186.9
157.5°	179.9
160°	170.6
162.5°	161.2
165°	154.2
167.5°	142.5
170°	130.8
172.5°	119.2
175°	119.2
177.5°	116.8
180°	116.8

(END OF REPORT)