

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505056

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505056
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-89)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

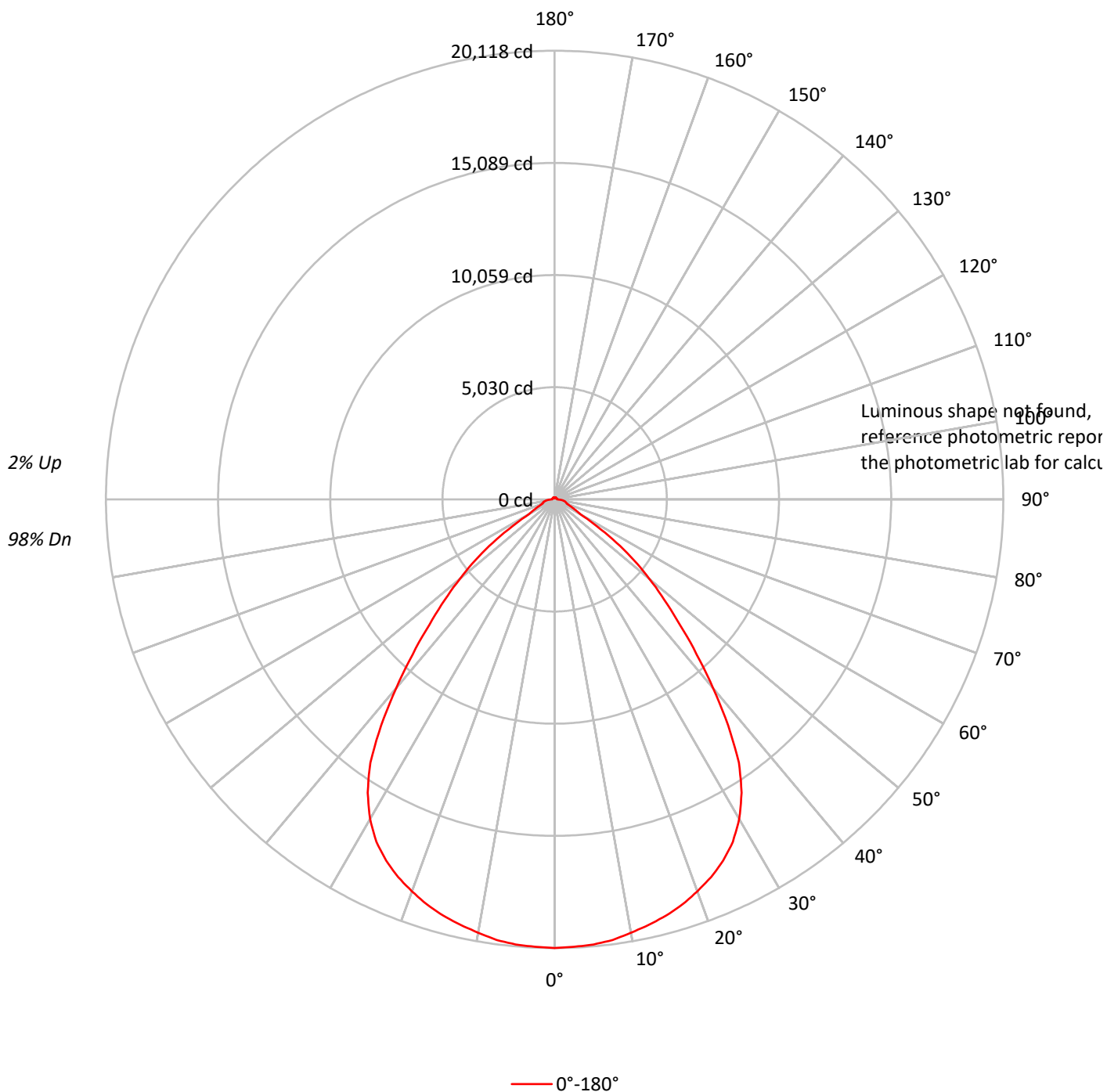
Lumens per Lamp: N/A
Luminaire Lumens: 35985.8 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 233.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
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



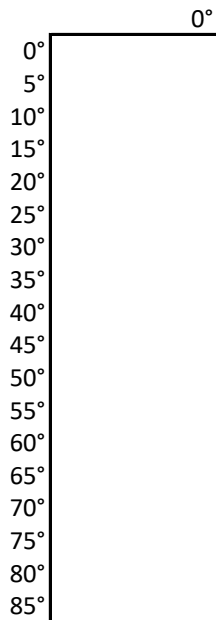
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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						98		
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90						88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80						78		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72						70		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64						62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58						56		
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	52						51		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48						46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	52	47	44						42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40						38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	40	37						35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1902.9	5.3
10°-20°	5450.9	15.1
20°-30°	8203.4	22.8
30°-40°	8818.0	24.5
40°-50°	6202.7	17.2
50°-60°	3009.2	8.4
60°-70°	898.9	2.5
70°-80°	554.5	1.5
80°-90°	319.2	0.9
90°-100°	115.7	0.3
100°-110°	112.4	0.3
110°-120°	103.8	0.3
120°-130°	90.5	0.3
130°-140°	76.0	0.2
140°-150°	62.5	0.2
150°-160°	41.1	0.1
160°-170°	19.1	0.1
170°-180°	5.1	0.0
0°-30°	15557.2	43.2
0°-40°	24375.2	67.7
0°-60°	33587.2	93.3
0°-90°	35359.8	98.3
90°-120°	331.9	0.9
90°-150°	560.8	1.6
90°-180°	626.0	1.7
0°-180°	35985.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20118	
5°	20035	###
15°	19321	5451
25°	17876	8203
35°	14407	8818
45°	7939	6203
55°	3381	3009
65°	880	899
75°	524	555
85°	303	275
90°	110	73
95°	105	86
105°	106	112
115°	105	104
125°	101	91
135°	98	76
145°	100	62
155°	87	41
165°	66	19
175°	51	5
180°	50	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20118.1
2.5°	20081.5
5°	20035.1
7.5°	19925.2
10°	19728.7
12.5°	19538.3
15°	19321.0
17.5°	19046.4
20°	18704.6
22.5°	18331.1
25°	17875.8
27.5°	17307.0
30°	16546.6
32.5°	15601.8
35°	14406.8
37.5°	12773.7
40°	11050.2
42.5°	9425.5
45°	7938.8
47.5°	6673.1
50°	5550.1
52.5°	4495.5
55°	3381.1
57.5°	2263.0
60°	1334.1
62.5°	1079.0
65°	880.1
67.5°	712.8
70°	604.2
72.5°	556.6
75°	523.6
77.5°	494.3
80°	444.3
82.5°	380.8
85°	302.7
87.5°	211.2
90°	109.9
92.5°	105.0
95°	105.0
97.5°	106.2
100°	106.2
102.5°	106.2
105°	106.2
107.5°	106.2
110°	106.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.0
115°	105.0
117.5°	103.8
120°	102.5
122.5°	101.3
125°	101.3
127.5°	100.1
130°	98.9
132.5°	98.9
135°	97.6
137.5°	97.6
140°	97.6
142.5°	98.9
145°	100.1
147.5°	100.1
150°	100.1
152.5°	94.0
155°	86.7
157.5°	83.0
160°	76.9
162.5°	70.8
165°	65.9
167.5°	61.0
170°	57.4
172.5°	53.7
175°	51.3
177.5°	50.0
180°	50.0

(END OF REPORT)