

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: P1505030

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505030
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-88)
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 (3000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

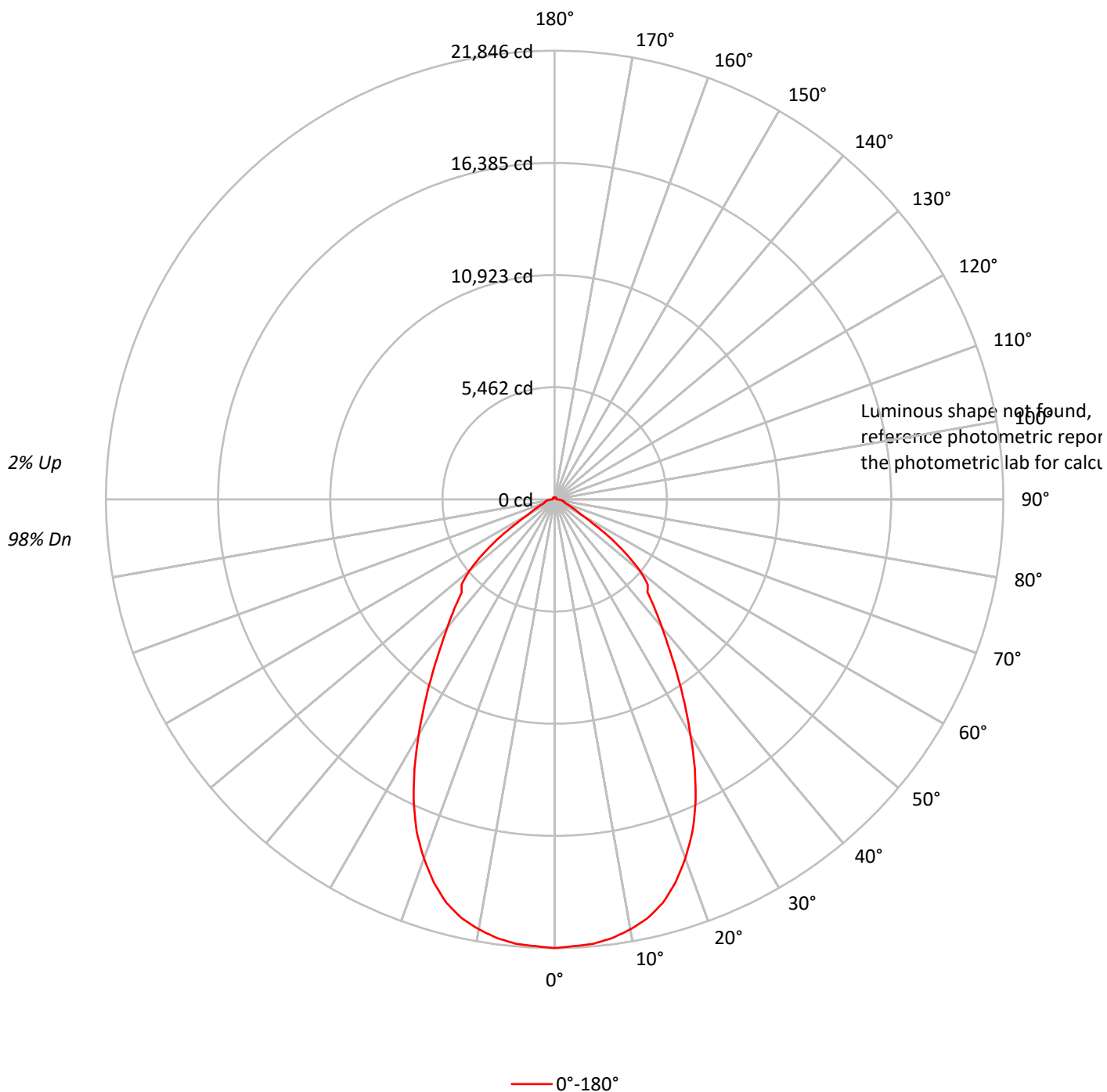
Lumens per Lamp: N/A
Luminaire Lumens: 32134.8 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 237.6
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





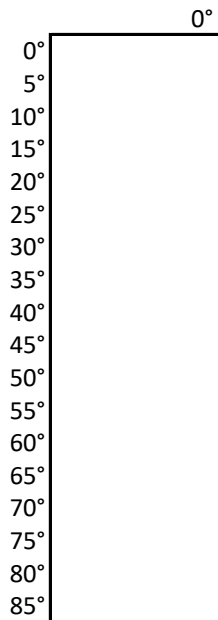
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
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	96	91	87	92	88	85	89	85	82	85	83	80	78		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2058.2	6.4
10°-20°	5682.0	17.7
20°-30°	7384.7	23.0
30°-40°	6523.6	20.3
40°-50°	5111.8	15.9
50°-60°	3030.5	9.4
60°-70°	964.7	3.0
70°-80°	513.8	1.6
80°-90°	282.2	0.9
90°-100°	107.1	0.3
100°-110°	104.4	0.3
110°-120°	96.5	0.3
120°-130°	84.1	0.3
130°-140°	70.4	0.2
140°-150°	58.3	0.2
150°-160°	38.9	0.1
160°-170°	18.4	0.1
170°-180°	5.1	0.0
0°-30°	15124.9	47.1
0°-40°	21648.5	67.4
0°-60°	29790.9	92.7
0°-90°	31551.6	98.2
90°-120°	307.9	1.0
90°-150°	520.8	1.6
90°-180°	583.0	1.8
0°-180°	32134.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21846	
5°	21717	###
15°	20346	5682
25°	16237	7385
35°	10378	6524
45°	6393	5112
55°	3414	3031
65°	939	965
75°	483	514
85°	263	244
90°	101	66
95°	98	80
105°	99	104
115°	98	96
125°	94	84
135°	91	70
145°	93	58
155°	83	39
165°	64	18
175°	51	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	21846.1
2.5°	21773.5
5°	21716.8
7.5°	21542.1
10°	21257.3
12.5°	20885.2
15°	20346.3
17.5°	19556.7
20°	18603.7
22.5°	17530.4
25°	16237.1
27.5°	14772.4
30°	13222.7
32.5°	11760.3
35°	10378.5
37.5°	9138.5
40°	8106.1
42.5°	7221.2
45°	6393.0
47.5°	6151.3
50°	5436.6
52.5°	4464.3
55°	3413.7
57.5°	2314.4
60°	1513.4
62.5°	1208.3
65°	939.4
67.5°	717.0
70°	580.9
72.5°	518.5
75°	483.3
77.5°	451.5
80°	402.8
82.5°	340.4
85°	263.2
87.5°	180.4
90°	101.0
92.5°	96.4
95°	97.6
97.5°	98.7
100°	98.7
102.5°	98.7
105°	98.7
107.5°	98.7
110°	98.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.6
115°	97.6
117.5°	96.4
120°	95.3
122.5°	94.2
125°	94.2
127.5°	93.0
130°	91.9
132.5°	90.8
135°	90.8
137.5°	90.8
140°	90.8
142.5°	91.9
145°	93.0
147.5°	94.2
150°	94.2
152.5°	88.5
155°	82.8
157.5°	78.3
160°	73.7
162.5°	68.1
165°	63.5
167.5°	60.1
170°	56.7
172.5°	53.3
175°	51.1
177.5°	49.9
180°	51.1

(END OF REPORT)