

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: P1505384

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505384
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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-B-04-TRWH-PS (3000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

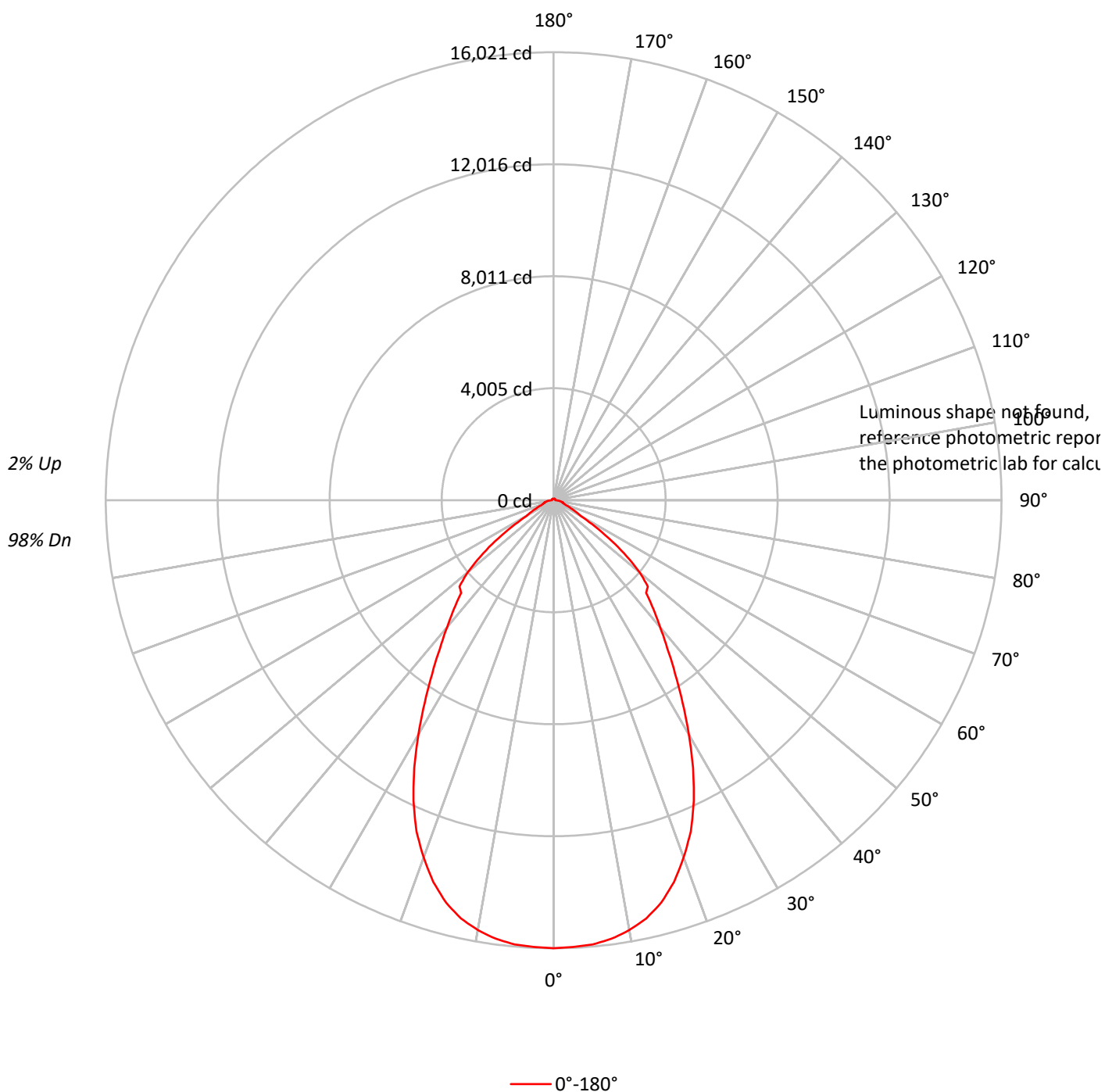
Lumens per Lamp: N/A
Luminaire Lumens: 23469.4 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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

TEST NUMBER: P1505384

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Narrow_120V)

Luminous Intensity Polar Plot





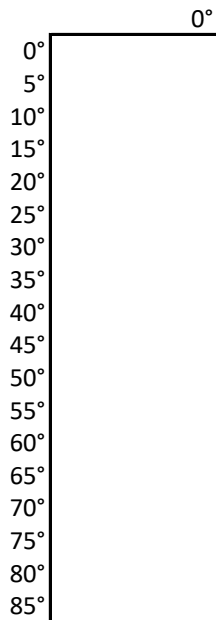
TEST NUMBER: P1505384

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Narrow_120V)

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	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	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	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505384

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1511.3	6.4
10°-20°	4160.5	17.7
20°-30°	5396.1	23.0
30°-40°	4765.8	20.3
40°-50°	3753.3	16.0
50°-60°	2255.9	9.6
60°-70°	707.6	3.0
70°-80°	360.2	1.5
80°-90°	179.4	0.8
90°-100°	64.9	0.3
100°-110°	65.7	0.3
110°-120°	61.9	0.3
120°-130°	55.1	0.2
130°-140°	46.9	0.2
140°-150°	38.8	0.2
150°-160°	27.1	0.1
160°-170°	14.5	0.1
170°-180°	4.4	0.0
0°-30°	11067.9	47.2
0°-40°	15833.7	67.5
0°-60°	21842.9	93.1
0°-90°	23090.1	98.4
90°-120°	192.6	0.8
90°-150°	333.4	1.4
90°-180°	379.0	1.6
0°-180°	23469.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16021	
5°	15946	###
15°	14891	4161
25°	11859	5396
35°	7577	4766
45°	4676	3753
55°	2555	2256
65°	690	708
75°	339	360
85°	165	156
90°	59	39
95°	59	49
105°	62	66
115°	63	62
125°	61	55
135°	60	47
145°	62	39
155°	58	27
165°	50	14
175°	46	4
180°	46	

TEST NUMBER: P1505384

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16020.7
2.5°	15988.6
5°	15945.7
7.5°	15818.6
10°	15609.1
12.5°	15315.4
15°	14891.3
17.5°	14309.7
20°	13595.2
22.5°	12815.6
25°	11859.4
27.5°	10793.5
30°	9662.4
32.5°	8587.5
35°	7576.8
37.5°	6682.5
40°	5923.5
42.5°	5270.9
45°	4676.1
47.5°	4565.6
50°	4010.3
52.5°	3300.0
55°	2555.0
57.5°	1750.7
60°	1121.2
62.5°	889.4
65°	690.5
67.5°	520.6
70°	417.5
72.5°	368.8
75°	339.1
77.5°	311.9
80°	270.6
82.5°	220.3
85°	165.0
87.5°	108.9
90°	58.6
92.5°	58.6
95°	59.4
97.5°	60.2
100°	61.1
102.5°	61.9
105°	61.9
107.5°	62.7
110°	62.7

TEST NUMBER: P1505384

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3000K_L24_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	62.7
115°	62.7
117.5°	61.9
120°	61.9
122.5°	61.9
125°	61.1
127.5°	61.1
130°	61.1
132.5°	61.1
135°	60.2
137.5°	60.2
140°	60.2
142.5°	61.1
145°	61.9
147.5°	62.7
150°	63.5
152.5°	60.2
155°	57.8
157.5°	56.1
160°	54.5
162.5°	52.8
165°	50.3
167.5°	48.7
170°	47.0
172.5°	45.4
175°	46.2
177.5°	46.2
180°	46.2

(END OF REPORT)