

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: P1505054

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505054
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 (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

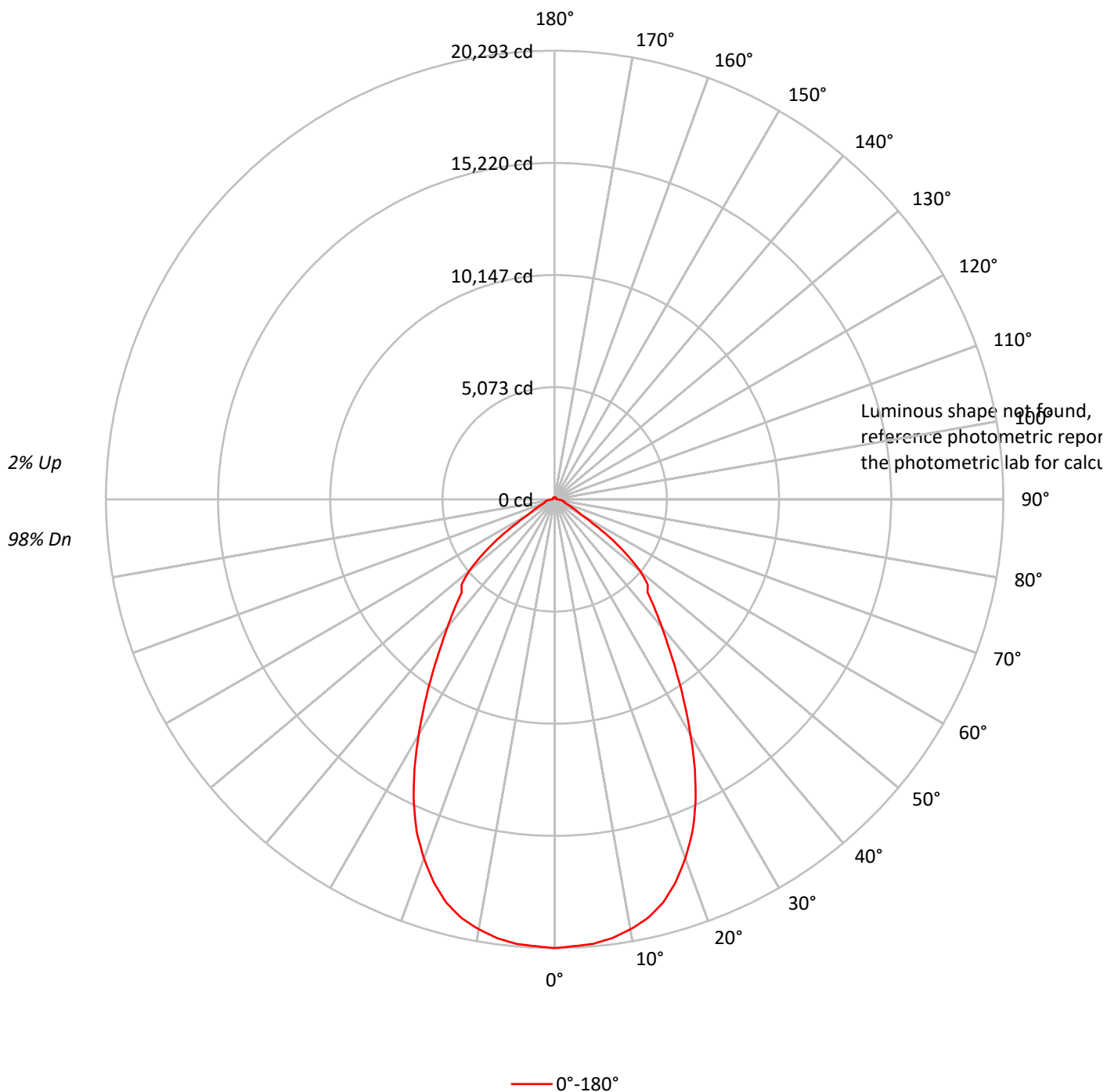
Lumens per Lamp: N/A
Luminaire Lumens: 29849.5 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
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: P1505054

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505054

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_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	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: -

TEST NUMBER: P1505054

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1911.9	6.4
10°-20°	5277.9	17.7
20°-30°	6859.6	23.0
30°-40°	6059.7	20.3
40°-50°	4748.3	15.9
50°-60°	2815.0	9.4
60°-70°	896.1	3.0
70°-80°	477.3	1.6
80°-90°	262.1	0.9
90°-100°	99.5	0.3
100°-110°	97.0	0.3
110°-120°	89.6	0.3
120°-130°	78.2	0.3
130°-140°	65.4	0.2
140°-150°	54.2	0.2
150°-160°	36.1	0.1
160°-170°	17.1	0.1
170°-180°	4.7	0.0
0°-30°	14049.3	47.1
0°-40°	20109.0	67.4
0°-60°	27672.3	92.7
0°-90°	29307.7	98.2
90°-120°	286.0	1.0
90°-150°	483.8	1.6
90°-180°	542.0	1.8
0°-180°	29849.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20293	
5°	20172	###
15°	18899	5278
25°	15082	6860
35°	9640	6060
45°	5938	4748
55°	3171	2815
65°	873	896
75°	449	477
85°	244	226
90°	94	61
95°	91	74
105°	92	97
115°	91	90
125°	88	78
135°	84	65
145°	86	54
155°	77	36
165°	59	17
175°	47	5
180°	47	

TEST NUMBER: P1505054

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	20292.6
2.5°	20225.1
5°	20172.4
7.5°	20010.1
10°	19745.6
12.5°	19400.0
15°	18899.4
17.5°	18165.9
20°	17280.7
22.5°	16283.8
25°	15082.4
27.5°	13721.9
30°	12282.4
32.5°	10924.0
35°	9640.4
37.5°	8488.6
40°	7529.6
42.5°	6707.6
45°	5938.3
47.5°	5713.9
50°	5050.0
52.5°	4146.8
55°	3171.0
57.5°	2149.8
60°	1405.8
62.5°	1122.3
65°	872.6
67.5°	666.0
70°	539.6
72.5°	481.6
75°	448.9
77.5°	419.4
80°	374.1
82.5°	316.1
85°	244.5
87.5°	167.6
90°	93.8
92.5°	89.6
95°	90.6
97.5°	91.7
100°	91.7
102.5°	91.7
105°	91.7
107.5°	91.7
110°	91.7

TEST NUMBER: P1505054

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (5000K_L32_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.6
115°	90.6
117.5°	89.6
120°	88.5
122.5°	87.5
125°	87.5
127.5°	86.4
130°	85.4
132.5°	84.3
135°	84.3
137.5°	84.3
140°	84.3
142.5°	85.4
145°	86.4
147.5°	87.5
150°	87.5
152.5°	82.2
155°	76.9
157.5°	72.7
160°	68.5
162.5°	63.2
165°	59.0
167.5°	55.9
170°	52.7
172.5°	49.5
175°	47.4
177.5°	46.4
180°	47.4

(END OF REPORT)