

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: P1505036

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505036
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 (3500K_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

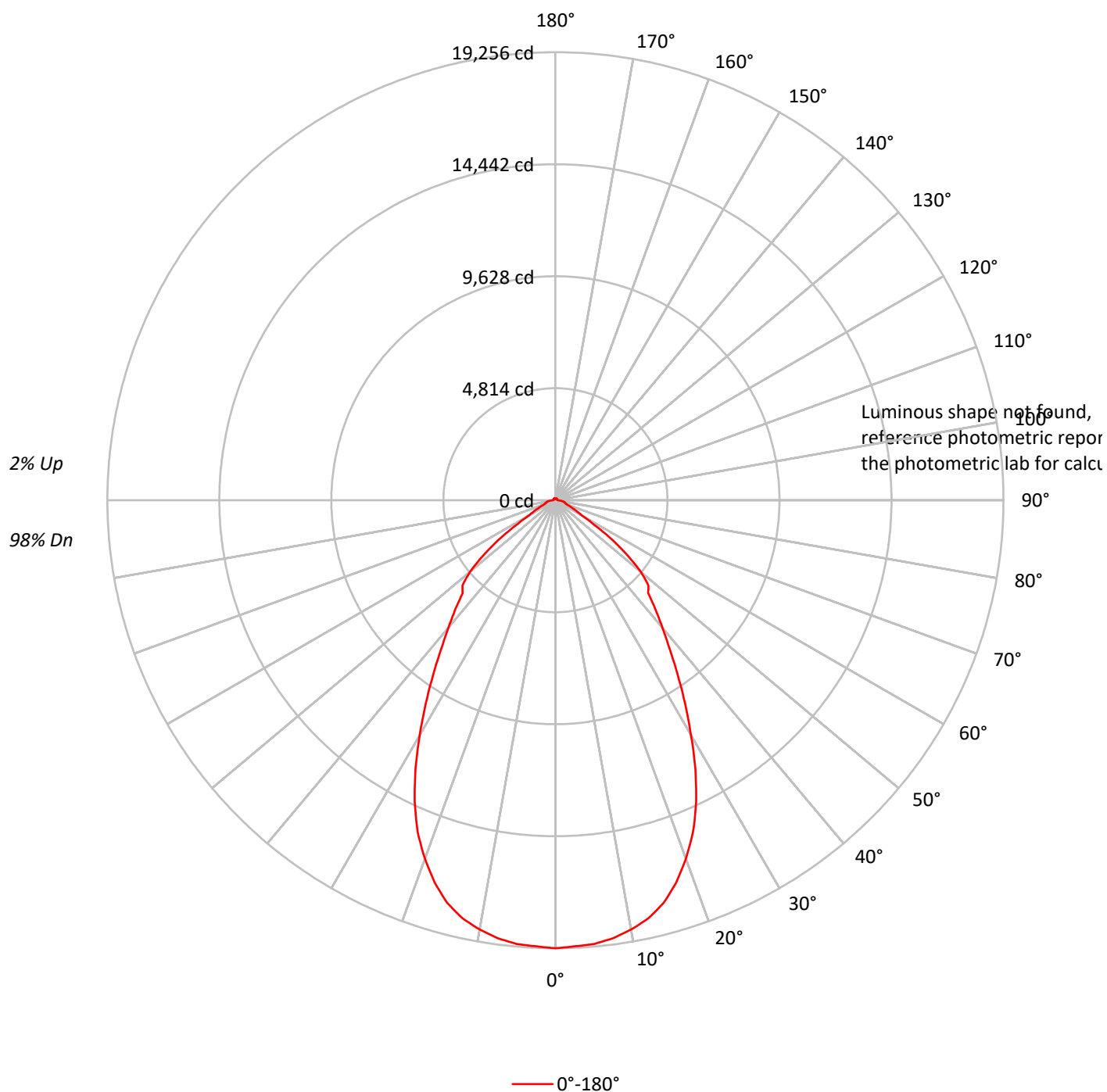
Lumens per Lamp: N/A
Luminaire Lumens: 28324.7 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.1
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: P1505036

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L32_Narrow_120V)

Luminous Intensity Polar Plot



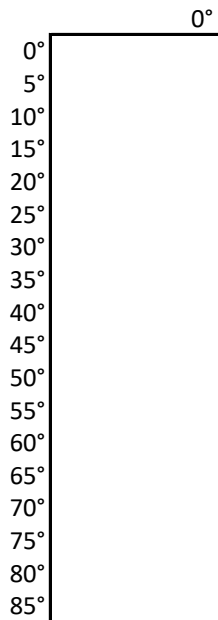
TEST NUMBER: P1505036

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_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	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	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: P1505036

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1814.2	6.4
10°-20°	5008.3	17.7
20°-30°	6509.2	23.0
30°-40°	5750.2	20.3
40°-50°	4505.7	15.9
50°-60°	2671.2	9.4
60°-70°	850.3	3.0
70°-80°	452.9	1.6
80°-90°	248.7	0.9
90°-100°	94.4	0.3
100°-110°	92.0	0.3
110°-120°	85.0	0.3
120°-130°	74.2	0.3
130°-140°	62.1	0.2
140°-150°	51.4	0.2
150°-160°	34.3	0.1
160°-170°	16.3	0.1
170°-180°	4.5	0.0
0°-30°	13331.7	47.1
0°-40°	19081.9	67.4
0°-60°	26258.8	92.7
0°-90°	27810.7	98.2
90°-120°	271.4	1.0
90°-150°	459.0	1.6
90°-180°	514.0	1.8
0°-180°	28324.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19256	
5°	19142	###
15°	17934	5008
25°	14312	6509
35°	9148	5750
45°	5635	4506
55°	3009	2671
65°	828	850
75°	426	453
85°	232	215
90°	89	58
95°	86	71
105°	87	92
115°	86	85
125°	83	74
135°	80	62
145°	82	51
155°	73	34
165°	56	16
175°	45	4
180°	45	

TEST NUMBER: P1505036

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19256
2.5°	19192
5°	19142
7.5°	18988
10°	18737
12.5°	18409
15°	17934
17.5°	17238
20°	16398
22.5°	15452
25°	14312
27.5°	13021
30°	11655
32.5°	10366
35°	9148
37.5°	8055
40°	7145
42.5°	6365
45°	5635
47.5°	5422
50°	4792
52.5°	3935
55°	3009
57.5°	2040
60°	1334
62.5°	1065
65°	828
67.5°	632
70°	512
72.5°	457
75°	426
77.5°	398
80°	355
82.5°	300
85°	232
87.5°	159
90°	89
92.5°	85
95°	86
97.5°	87
100°	87
102.5°	87
105°	87
107.5°	87
110°	87

TEST NUMBER: P1505036

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-TRWH-PS (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	86
115°	86
117.5°	85
120°	84
122.5°	83
125°	83
127.5°	82
130°	81
132.5°	80
135°	80
137.5°	80
140°	80
142.5°	81
145°	82
147.5°	83
150°	83
152.5°	78
155°	73
157.5°	69
160°	65
162.5°	60
165°	56
167.5°	53
170°	50
172.5°	47
175°	45
177.5°	44
180°	45

(END OF REPORT)