

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: P1505521

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505521
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-119)
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-06-CLER-PS (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

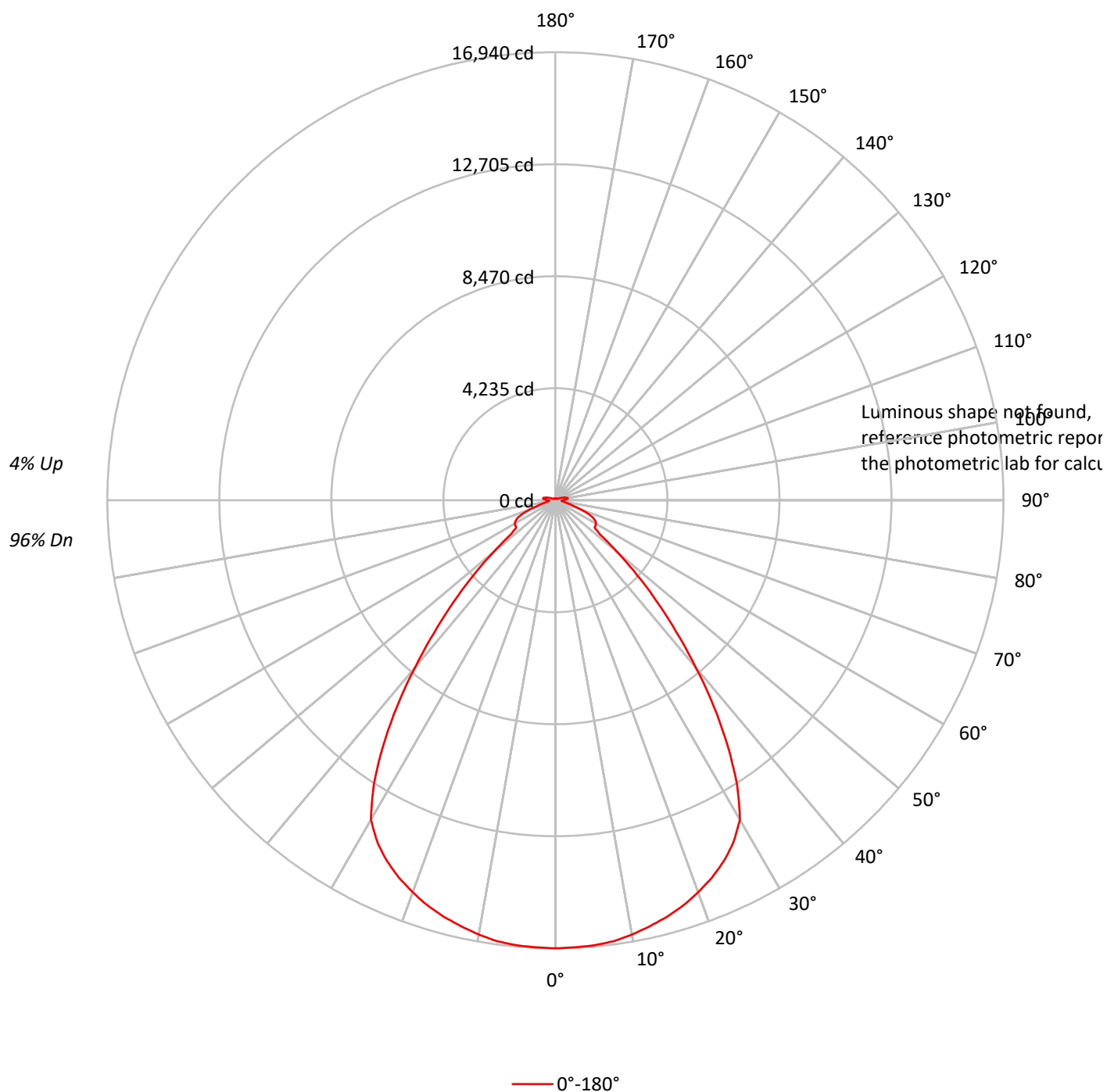
Lumens per Lamp: N/A
Luminaire Lumens: 29841.1 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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: P1505521

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Medium_120V)

Luminous Intensity Polar Plot



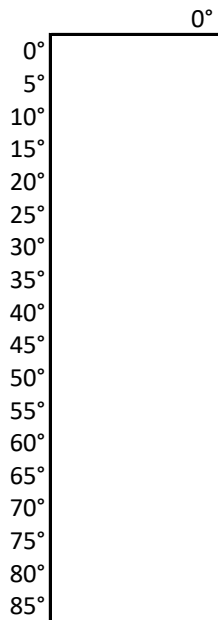
TEST NUMBER: P1505521

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Medium_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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	107	103	100	107	104	101	98		99	97	94		95	93	91		90	89	87
2	103	96	91	86	100	94	89	85		90	86	83		86	83	80		83	80	78
3	96	87	81	76	93	85	80	75		82	77	73		79	75	71		76	73	70
4	89	79	72	67	87	78	71	66		75	69	65		72	68	64		70	66	62
5	83	73	65	60	81	71	64	59		69	63	58		67	61	57		64	60	56
6	78	67	59	54	76	66	59	53		63	57	53		62	56	52		60	55	51
7	73	61	54	49	71	60	53	49		59	52	48		57	51	47		55	51	47
8	68	57	50	45	67	56	49	44		54	48	44		53	47	43		52	47	43
9	64	53	46	41	63	52	45	41		51	45	40		49	44	40		48	43	39
10	61	49	42	38	59	48	42	37		47	41	37		46	41	37		45	40	36

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505521

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1605.7	5.4
10°-20°	4600.1	15.4
20°-30°	6913.1	23.2
30°-40°	7015.8	23.5
40°-50°	4221.8	14.1
50°-60°	1815.2	6.1
60°-70°	1491.2	5.0
70°-80°	612.6	2.1
80°-90°	277.3	0.9
90°-100°	444.5	1.5
100°-110°	404.1	1.4
110°-120°	187.9	0.6
120°-130°	83.5	0.3
130°-140°	62.9	0.2
140°-150°	48.4	0.2
150°-160°	32.8	0.1
160°-170°	18.6	0.1
170°-180°	5.6	0.0
0°-30°	13118.9	44.0
0°-40°	20134.7	67.5
0°-60°	26171.8	87.7
0°-90°	28552.8	95.7
90°-120°	1036.5	3.5
90°-150°	1231.3	4.1
90°-180°	1288.0	4.3
0°-180°	29841.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16940	
5°	16891	###
15°	16302	4600
25°	15059	6913
35°	11376	7016
45°	5444	4222
55°	1805	1815
65°	1579	1491
75°	528	613
85°	231	205
90°	285	160
95°	426	357
105°	384	404
115°	182	188
125°	88	83
135°	81	63
145°	76	48
155°	70	33
165°	66	19
175°	59	6
180°	60	

TEST NUMBER: P1505521

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16939.9
2.5°	16920.0
5°	16891.2
7.5°	16816.7
10°	16675.8
12.5°	16494.1
15°	16302.4
17.5°	16070.1
20°	15773.2
22.5°	15449.5
25°	15059.3
27.5°	14580.7
30°	13950.2
32.5°	12789.5
35°	11375.7
37.5°	9847.6
40°	8266.9
42.5°	6770.6
45°	5444.1
47.5°	4207.9
50°	3064.1
52.5°	2116.9
55°	1805.1
57.5°	1794.2
60°	1770.3
62.5°	1700.8
65°	1578.7
67.5°	1344.4
70°	1036.6
72.5°	741.7
75°	528.2
77.5°	389.2
80°	298.9
82.5°	248.2
85°	231.3
87.5°	245.2
90°	285.0
92.5°	354.5
95°	426.0
97.5°	470.6
100°	473.6
102.5°	435.9
105°	384.3
107.5°	329.6
110°	277.0

TEST NUMBER: P1505521

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3000K_L32_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	227.4
115°	181.7
117.5°	146.0
120°	119.1
122.5°	100.3
125°	88.4
127.5°	82.4
130°	80.4
132.5°	80.4
135°	81.4
137.5°	82.4
140°	81.4
142.5°	79.4
145°	76.5
147.5°	74.5
150°	72.5
152.5°	71.5
155°	70.5
157.5°	70.5
160°	69.5
162.5°	67.5
165°	65.5
167.5°	62.6
170°	59.6
172.5°	57.6
175°	58.6
177.5°	59.6
180°	59.6

(END OF REPORT)