

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: P1505171

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505171
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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-06-CLER-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

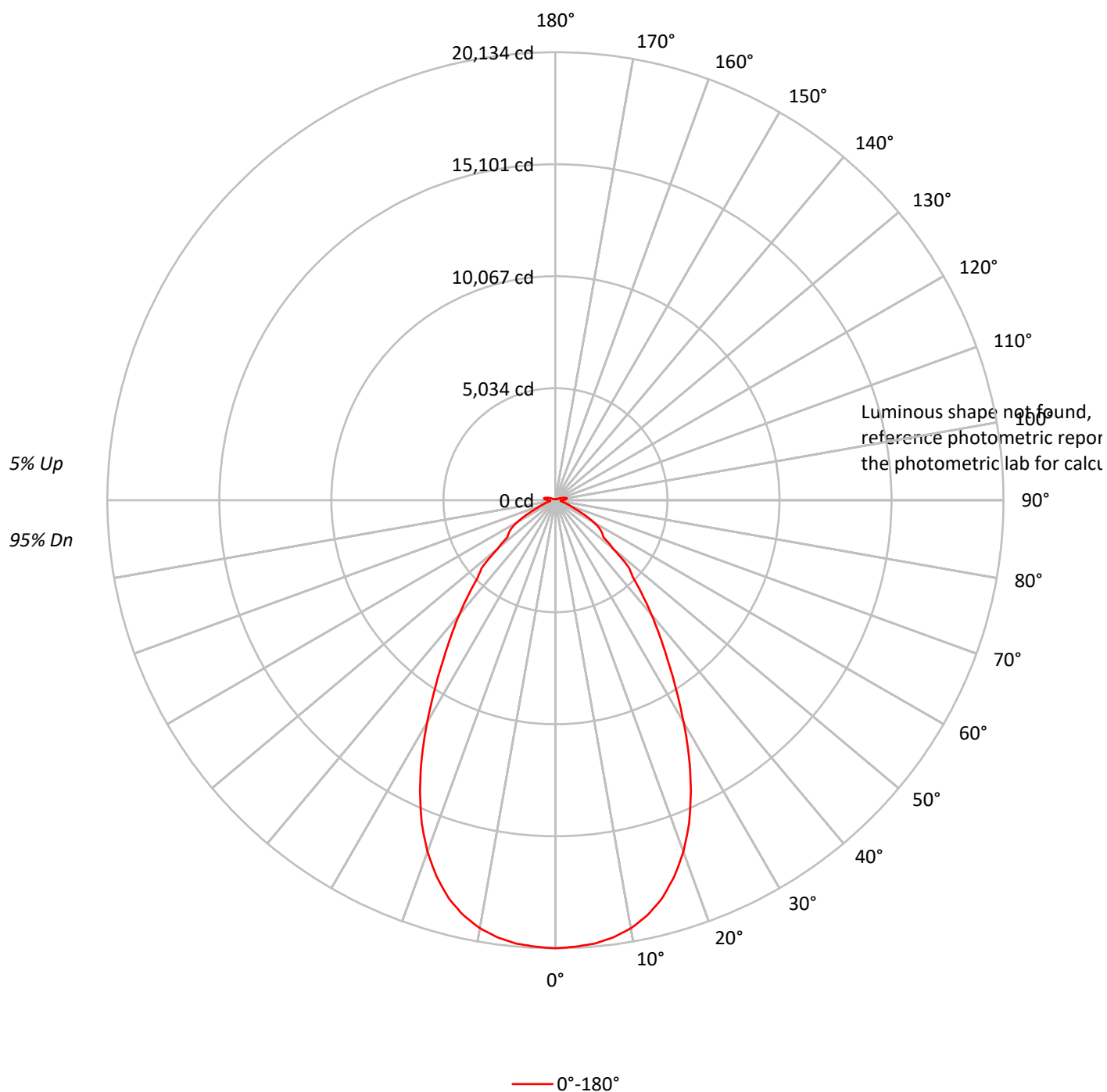
Lumens per Lamp: N/A
Luminaire Lumens: 28673.1 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.9
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: P1505171

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L32_Narrow_120V)

Luminous Intensity Polar Plot





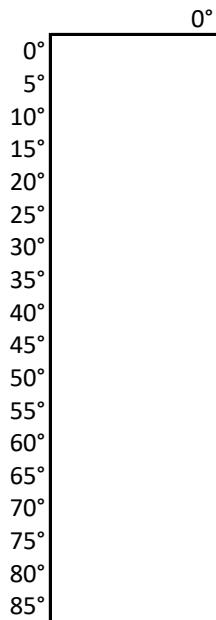
TEST NUMBER: P1505171

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505171

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1894.3	6.6
10°-20°	5171.5	18.0
20°-30°	6553.7	22.9
30°-40°	5550.4	19.4
40°-50°	3891.6	13.6
50°-60°	2302.7	8.0
60°-70°	1211.9	4.2
70°-80°	455.0	1.6
80°-90°	276.2	1.0
90°-100°	487.4	1.7
100°-110°	446.0	1.6
110°-120°	196.7	0.7
120°-130°	82.0	0.3
130°-140°	57.3	0.2
140°-150°	44.7	0.2
150°-160°	30.9	0.1
160°-170°	16.1	0.1
170°-180°	4.6	0.0
0°-30°	13619.5	47.5
0°-40°	19169.9	66.9
0°-60°	25364.2	88.5
0°-90°	27307.3	95.2
90°-120°	1130.1	3.9
90°-150°	1314.2	4.6
90°-180°	1366.0	4.8
0°-180°	28673.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20134	
5°	20006	###
15°	18518	5171
25°	14406	6554
35°	8805	5550
45°	4949	3892
55°	2565	2303
65°	1167	1212
75°	422	455
85°	232	197
90°	317	177
95°	464	390
105°	426	446
115°	189	197
125°	87	82
135°	74	57
145°	71	45
155°	67	31
165°	56	16
175°	47	5
180°	47	

TEST NUMBER: P1505171

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	20134
2.5°	20081
5°	20006
7.5°	19816
10°	19532
12.5°	19106
15°	18518
17.5°	17737
20°	16807
22.5°	15697
25°	14406
27.5°	12997
30°	11514
32.5°	10092
35°	8805
37.5°	7704
40°	6714
42.5°	5794
45°	4949
47.5°	4474
50°	3386
52.5°	2710
55°	2565
57.5°	2337
60°	2009
62.5°	1576
65°	1167
67.5°	848
70°	648
72.5°	523
75°	422
77.5°	327
80°	260
82.5°	229
85°	232
87.5°	263
90°	317
92.5°	391
95°	464
97.5°	514
100°	521
102.5°	483
105°	426
107.5°	364
110°	299

TEST NUMBER: P1505171

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	240
115°	189
117.5°	149
120°	121
122.5°	100
125°	87
127.5°	79
130°	75
132.5°	74
135°	74
137.5°	74
140°	73
142.5°	72
145°	71
147.5°	70
150°	70
152.5°	68
155°	67
157.5°	65
160°	63
162.5°	59
165°	56
167.5°	53
170°	50
172.5°	49
175°	47
177.5°	47
180°	47

(END OF REPORT)