

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: P1505017

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505017
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-83)
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-CLER-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

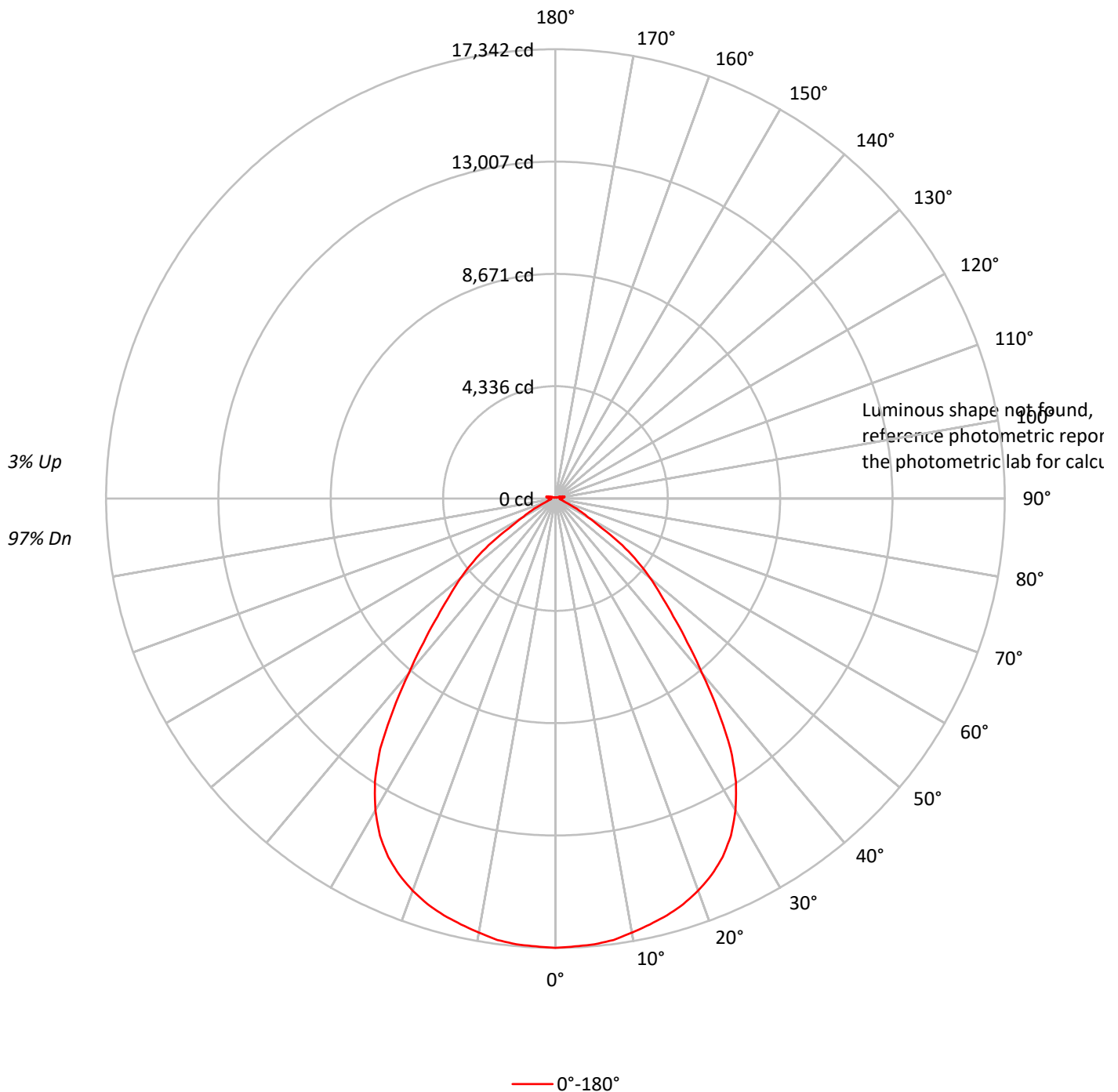
Lumens per Lamp: N/A
Luminaire Lumens: 30656.1 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 200.1
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: P1505017

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1505017

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	90	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	59	49	42	37	47	41	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505017

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1640.7	5.4
10°-20°	4697.5	15.3
20°-30°	6991.5	22.8
30°-40°	7221.6	23.6
40°-50°	5046.5	16.5
50°-60°	2757.1	9.0
60°-70°	847.2	2.8
70°-80°	298.6	1.0
80°-90°	190.6	0.6
90°-100°	324.2	1.1
100°-110°	325.0	1.1
110°-120°	147.3	0.5
120°-130°	57.7	0.2
130°-140°	39.1	0.1
140°-150°	32.8	0.1
150°-160°	23.2	0.1
160°-170°	12.0	0.0
170°-180°	3.5	0.0
0°-30°	13329.8	43.5
0°-40°	20551.3	67.0
0°-60°	28355.0	92.5
0°-90°	29691.4	96.9
90°-120°	796.5	2.6
90°-150°	926.1	3.0
90°-180°	965.0	3.1
0°-180°	30656.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17342	
5°	17270	###
15°	16651	4697
25°	15268	6992
35°	11783	7222
45°	6430	5047
55°	3148	2757
65°	814	847
75°	278	299
85°	159	139
90°	204	114
95°	306	261
105°	315	325
115°	143	147
125°	61	58
135°	50	39
145°	52	33
155°	50	23
165°	42	12
175°	36	3
180°	36	

TEST NUMBER: P1505017

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17341.8
2.5°	17305.1
5°	17270.4
7.5°	17184.8
10°	17012.5
12.5°	16836.1
15°	16650.6
17.5°	16417.1
20°	16109.3
22.5°	15731.0
25°	15268.2
27.5°	14668.8
30°	13902.2
32.5°	12965.3
35°	11782.7
37.5°	10283.1
40°	8811.1
42.5°	7537.8
45°	6429.6
47.5°	5519.3
50°	4786.3
52.5°	3989.1
55°	3148.0
57.5°	2156.1
60°	1476.2
62.5°	1149.9
65°	814.5
67.5°	544.4
70°	392.5
72.5°	321.1
75°	278.3
77.5°	237.5
80°	196.8
82.5°	167.2
85°	159.0
87.5°	172.3
90°	203.9
92.5°	254.9
95°	305.8
97.5°	345.6
100°	361.9
102.5°	347.6
105°	315.0
107.5°	271.2
110°	224.3

TEST NUMBER: P1505017

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (6500K_L32_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	180.4
115°	142.7
117.5°	111.1
120°	87.7
122.5°	71.4
125°	61.2
127.5°	54.0
130°	51.0
132.5°	50.0
135°	50.0
137.5°	51.0
140°	51.0
142.5°	52.0
145°	52.0
147.5°	53.0
150°	53.0
152.5°	52.0
155°	50.0
157.5°	47.9
160°	45.9
162.5°	43.8
165°	41.8
167.5°	39.8
170°	37.7
172.5°	36.7
175°	35.7
177.5°	35.7
180°	35.7

(END OF REPORT)