

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: P1504981

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504981
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 (3000K_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

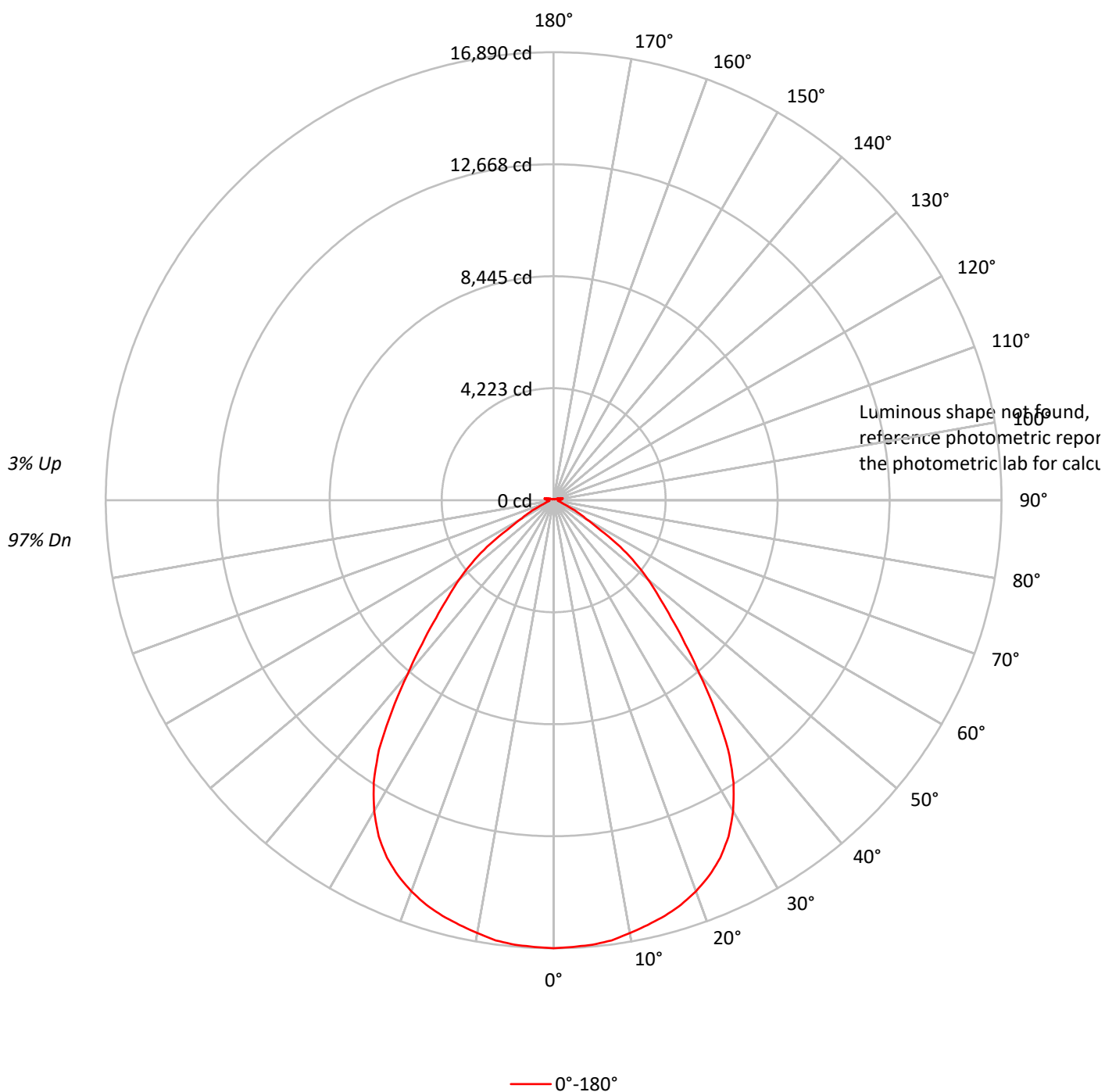
Lumens per Lamp: N/A
Luminaire Lumens: 29857.8 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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: P1504981

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L32_Medium_120V)

Luminous Intensity Polar Plot





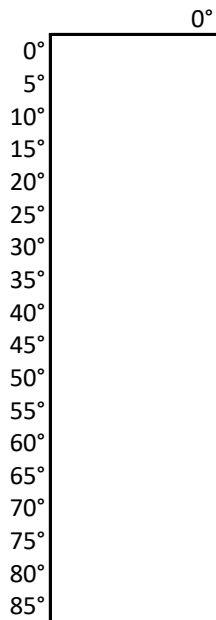
TEST NUMBER: P1504981

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-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	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: P1504981

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1598.0	5.4
10°-20°	4575.2	15.3
20°-30°	6809.5	22.8
30°-40°	7033.6	23.6
40°-50°	4915.1	16.5
50°-60°	2685.3	9.0
60°-70°	825.2	2.8
70°-80°	290.8	1.0
80°-90°	185.6	0.6
90°-100°	315.7	1.1
100°-110°	316.6	1.1
110°-120°	143.5	0.5
120°-130°	56.2	0.2
130°-140°	38.1	0.1
140°-150°	31.9	0.1
150°-160°	22.6	0.1
160°-170°	11.7	0.0
170°-180°	3.4	0.0
0°-30°	12982.7	43.5
0°-40°	20016.2	67.0
0°-60°	27616.6	92.5
0°-90°	28918.3	96.9
90°-120°	775.8	2.6
90°-150°	902.0	3.0
90°-180°	940.0	3.1
0°-180°	29857.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16890	
5°	16821	###
15°	16217	4575
25°	14871	6809
35°	11476	7034
45°	6262	4915
55°	3066	2685
65°	793	825
75°	271	291
85°	155	135
90°	199	111
95°	298	254
105°	307	317
115°	139	143
125°	60	56
135°	49	38
145°	51	32
155°	49	23
165°	41	12
175°	35	3
180°	35	

TEST NUMBER: P1504981

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16890.2
2.5°	16854.5
5°	16820.7
7.5°	16737.3
10°	16569.5
12.5°	16397.7
15°	16217.0
17.5°	15989.7
20°	15689.8
22.5°	15321.4
25°	14870.7
27.5°	14286.8
30°	13540.2
32.5°	12627.7
35°	11475.9
37.5°	10015.4
40°	8581.6
42.5°	7341.5
45°	6262.2
47.5°	5375.6
50°	4661.7
52.5°	3885.2
55°	3066.1
57.5°	2100.0
60°	1437.7
62.5°	1120.0
65°	793.3
67.5°	530.2
70°	382.3
72.5°	312.8
75°	271.1
77.5°	231.3
80°	191.6
82.5°	162.8
85°	154.9
87.5°	167.8
90°	198.6
92.5°	248.2
95°	297.9
97.5°	336.6
100°	352.5
102.5°	338.6
105°	306.8
107.5°	264.1
110°	218.4

TEST NUMBER: P1504981

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L32_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	175.7
115°	139.0
117.5°	108.2
120°	85.4
122.5°	69.5
125°	59.6
127.5°	52.6
130°	49.6
132.5°	48.7
135°	48.7
137.5°	49.6
140°	49.6
142.5°	50.6
145°	50.6
147.5°	51.6
150°	51.6
152.5°	50.6
155°	48.7
157.5°	46.7
160°	44.7
162.5°	42.7
165°	40.7
167.5°	38.7
170°	36.7
172.5°	35.7
175°	34.8
177.5°	34.8
180°	34.8

(END OF REPORT)