

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: P1504978

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504978
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_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

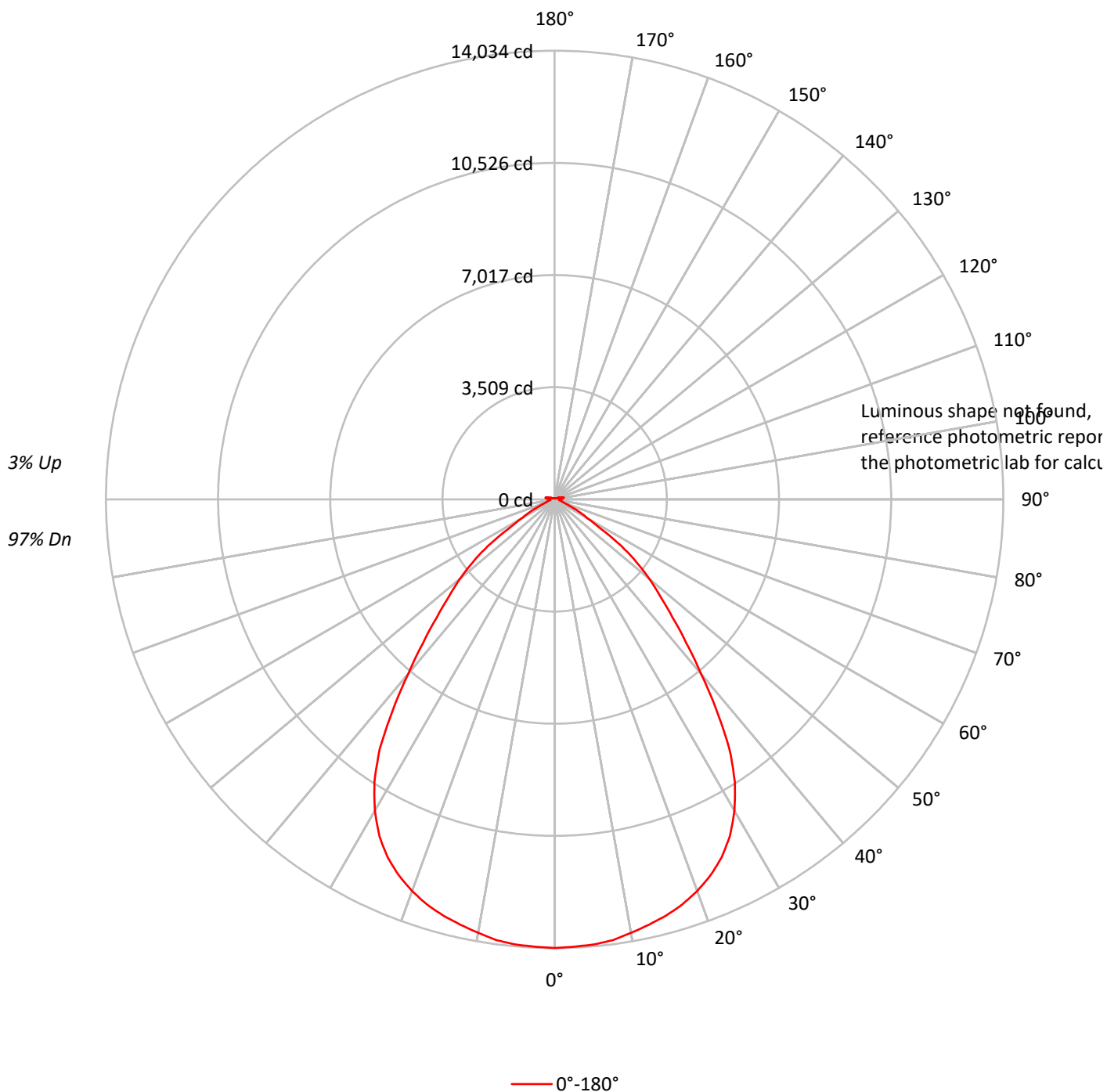
Lumens per Lamp: N/A
Luminaire Lumens: 24809.1 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
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: P1504978

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Medium_120V)

Luminous Intensity Polar Plot





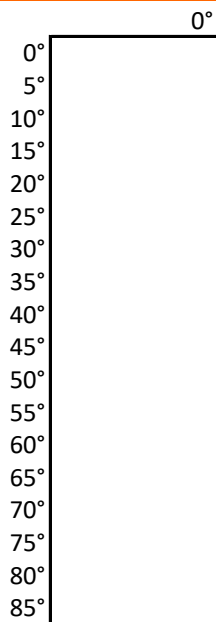
TEST NUMBER: P1504978

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_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: P1504978

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1327.8	5.4
10°-20°	3801.5	15.3
20°-30°	5658.0	22.8
30°-40°	5844.2	23.6
40°-50°	4084.0	16.5
50°-60°	2231.2	9.0
60°-70°	685.7	2.8
70°-80°	241.6	1.0
80°-90°	154.2	0.6
90°-100°	262.4	1.1
100°-110°	263.1	1.1
110°-120°	119.2	0.5
120°-130°	46.7	0.2
130°-140°	31.6	0.1
140°-150°	26.6	0.1
150°-160°	18.7	0.1
160°-170°	9.7	0.0
170°-180°	2.8	0.0
0°-30°	10787.3	43.5
0°-40°	16631.6	67.0
0°-60°	22946.8	92.5
0°-90°	24028.3	96.9
90°-120°	644.6	2.6
90°-150°	749.5	3.0
90°-180°	781.0	3.1
0°-180°	24809.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14034	
5°	13976	###
15°	13475	3802
25°	12356	5658
35°	9535	5844
45°	5203	4084
55°	2548	2231
65°	659	686
75°	225	242
85°	129	113
90°	165	93
95°	248	211
105°	255	263
115°	116	119
125°	50	47
135°	40	32
145°	42	27
155°	40	19
165°	34	10
175°	29	3
180°	29	

TEST NUMBER: P1504978

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	14034.1
2.5°	14004.4
5°	13976.4
7.5°	13907.1
10°	13767.7
12.5°	13624.9
15°	13474.8
17.5°	13285.9
20°	13036.7
22.5°	12730.6
25°	12356.1
27.5°	11871.0
30°	11250.6
32.5°	10492.4
35°	9535.4
37.5°	8321.8
40°	7130.5
42.5°	6100.1
45°	5203.3
47.5°	4466.6
50°	3873.4
52.5°	3228.2
55°	2547.6
57.5°	1744.9
60°	1194.6
62.5°	930.6
65°	659.2
67.5°	440.6
70°	317.6
72.5°	259.9
75°	225.2
77.5°	192.2
80°	159.2
82.5°	135.3
85°	128.7
87.5°	139.4
90°	165.0
92.5°	206.3
95°	247.5
97.5°	279.7
100°	292.9
102.5°	281.3
105°	254.9
107.5°	219.5
110°	181.5

TEST NUMBER: P1504978

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.0
115°	115.5
117.5°	89.9
120°	71.0
122.5°	57.8
125°	49.5
127.5°	43.7
130°	41.3
132.5°	40.4
135°	40.4
137.5°	41.3
140°	41.3
142.5°	42.1
145°	42.1
147.5°	42.9
150°	42.9
152.5°	42.1
155°	40.4
157.5°	38.8
160°	37.1
162.5°	35.5
165°	33.8
167.5°	32.2
170°	30.5
172.5°	29.7
175°	28.9
177.5°	28.9
180°	28.9

(END OF REPORT)