

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: P1505398

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505398
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-101)
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-04-TRWH-PS (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

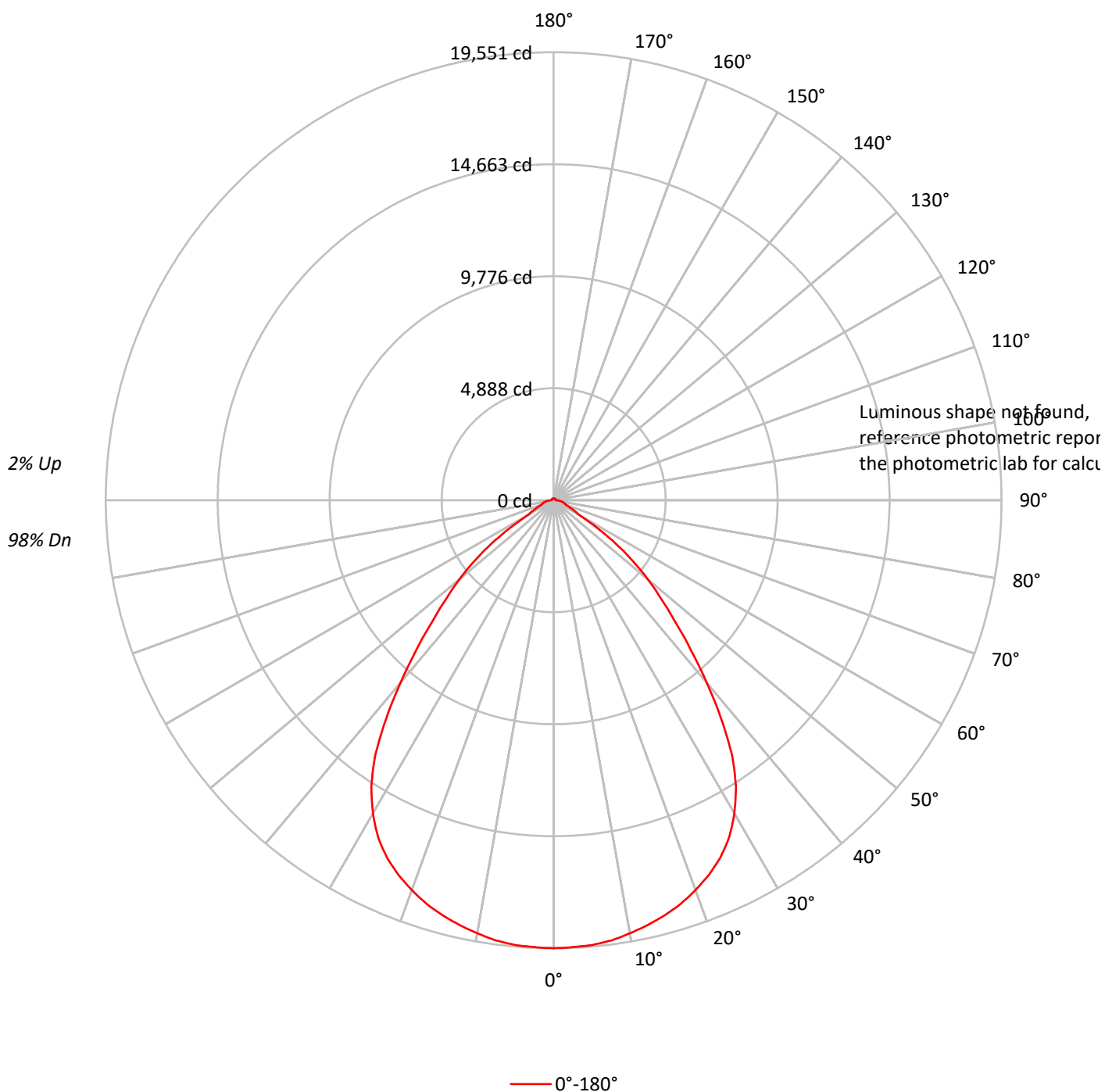
Lumens per Lamp: N/A
Luminaire Lumens: 34345.8 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 235.4
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: P1505398

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Medium_120V)

Luminous Intensity Polar Plot



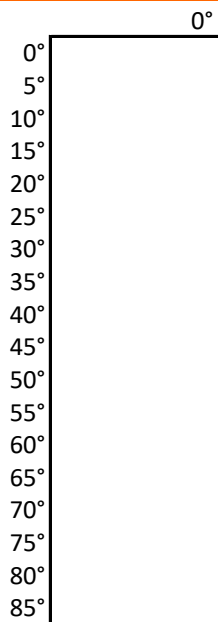
TEST NUMBER: P1505398

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Medium_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10	0
RCR																		
0	119	119	119	119		116	116	116	116		110	110	110		105	105	105	98
1	111	108	104	102		109	105	102	100		101	99	96		97	95	93	88
2	104	97	92	88		101	96	91	87		92	88	85		89	85	83	79
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73	70
4	90	81	73	68		88	79	73	68		77	71	67		74	69	66	63
5	84	74	66	61		82	72	66	60		70	64	60		68	63	59	56
6	79	67	60	55		77	66	59	54		65	58	54		63	57	53	51
7	73	62	55	49		72	61	54	49		60	53	49		58	53	48	46
8	69	57	50	45		67	57	50	45		55	49	44		54	48	44	42
9	65	53	46	41		63	52	46	41		51	45	41		50	45	40	39
10	61	49	42	38		60	49	42	38		48	42	37		47	41	37	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505398

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1850.3	5.4
10°-20°	5289.0	15.4
20°-30°	7889.3	23.0
30°-40°	8335.0	24.3
40°-50°	5877.9	17.1
50°-60°	2950.7	8.6
60°-70°	864.9	2.5
70°-80°	500.0	1.5
80°-90°	261.0	0.8
90°-100°	90.4	0.3
100°-110°	91.0	0.3
110°-120°	86.1	0.3
120°-130°	76.6	0.2
130°-140°	65.8	0.2
140°-150°	54.3	0.2
150°-160°	37.8	0.1
160°-170°	19.8	0.1
170°-180°	5.9	0.0
0°-30°	15028.6	43.8
0°-40°	23363.6	68.0
0°-60°	32192.3	93.7
0°-90°	33818.2	98.5
90°-120°	267.5	0.8
90°-150°	464.0	1.4
90°-180°	528.0	1.5
0°-180°	34345.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19551	
5°	19479	###
15°	18754	5289
25°	17208	7889
35°	13584	8335
45°	7514	5878
55°	3344	2951
65°	845	865
75°	474	500
85°	244	227
90°	82	56
95°	82	68
105°	86	91
115°	87	86
125°	85	77
135°	85	66
145°	86	54
155°	80	38
165°	69	20
175°	62	6
180°	63	

TEST NUMBER: P1505398

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19551.2
2.5°	19519.8
5°	19479.1
7.5°	19373.3
10°	19190.8
12.5°	18983.9
15°	18753.7
17.5°	18465.4
20°	18103.9
22.5°	17700.5
25°	17207.7
27.5°	16593.9
30°	15781.3
32.5°	14815.4
35°	13584.3
37.5°	12006.9
40°	10402.7
42.5°	8870.6
45°	7514.0
47.5°	6364.4
50°	5367.0
52.5°	4373.1
55°	3344.4
57.5°	2255.1
60°	1314.7
62.5°	1048.5
65°	845.1
67.5°	674.2
70°	559.1
72.5°	510.3
75°	474.3
77.5°	437.1
80°	383.6
82.5°	317.3
85°	244.1
87.5°	163.9
90°	82.5
92.5°	81.4
95°	82.5
97.5°	83.7
100°	84.9
102.5°	86.0
105°	86.0
107.5°	86.0
110°	87.2

TEST NUMBER: P1505398

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L36_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.2
115°	87.2
117.5°	86.0
120°	86.0
122.5°	86.0
125°	84.9
127.5°	84.9
130°	84.9
132.5°	84.9
135°	84.9
137.5°	84.9
140°	84.9
142.5°	86.0
145°	86.0
147.5°	87.2
150°	88.3
152.5°	84.9
155°	80.2
157.5°	77.9
160°	75.6
162.5°	72.1
165°	68.6
167.5°	66.3
170°	63.9
172.5°	61.6
175°	61.6
177.5°	62.8
180°	62.8

(END OF REPORT)