

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: P1505013

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505013
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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 (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

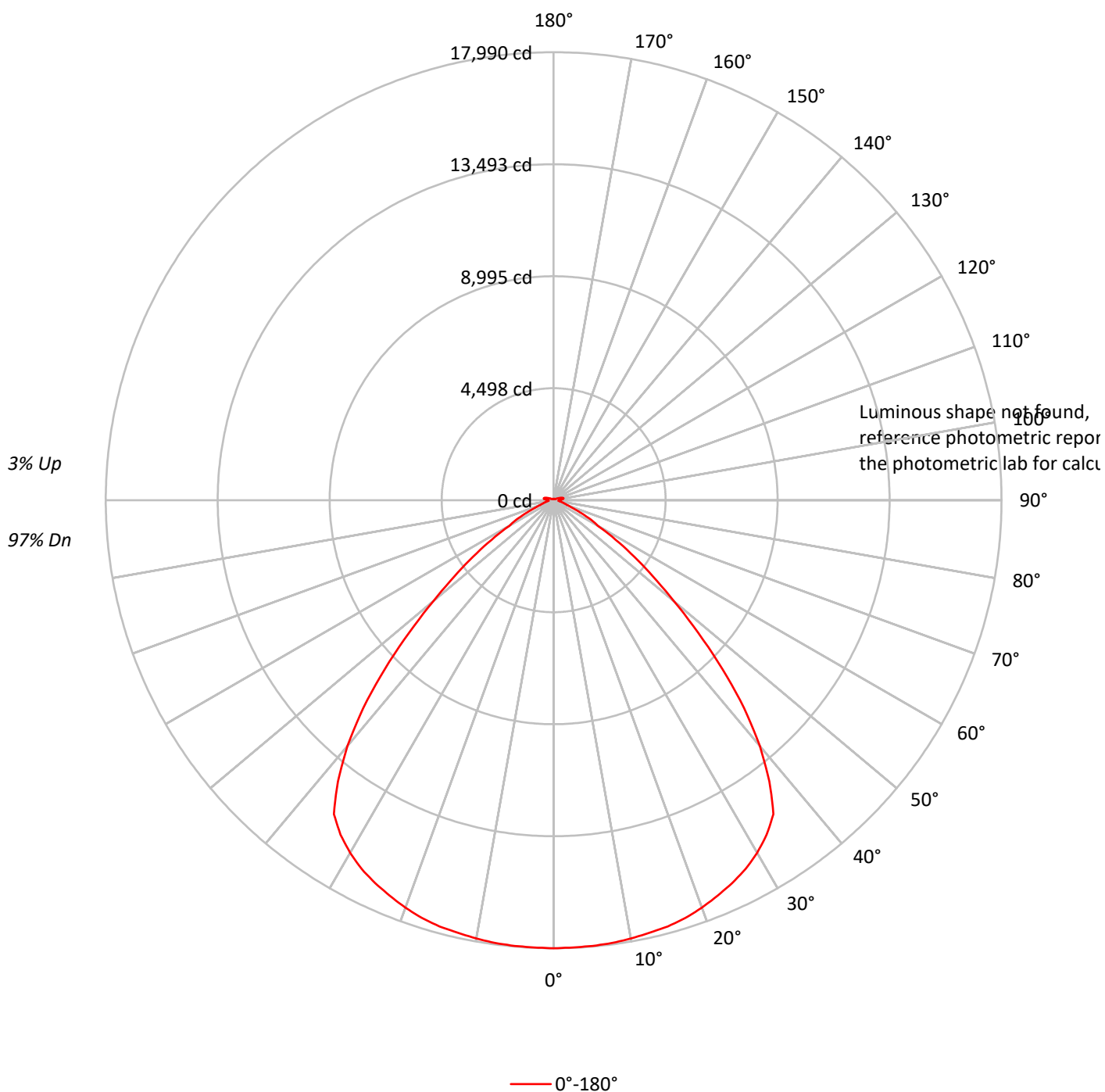
Lumens per Lamp: N/A
Luminaire Lumens: 37938.3 lumens
Efficiency: N/A
Efficacy: 162.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 233.3
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: P1505013

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Wide_120V)

Luminous Intensity Polar Plot



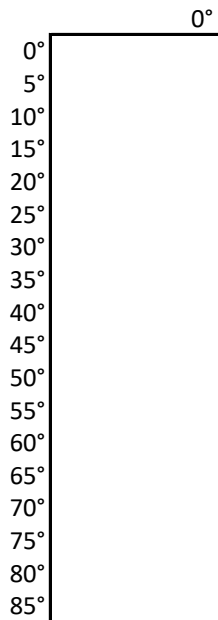
TEST NUMBER: P1505013

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Wide_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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505013

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1711.9	4.5
10°-20°	5006.5	13.2
20°-30°	7823.9	20.6
30°-40°	9406.5	24.8
40°-50°	7358.5	19.4
50°-60°	3575.6	9.4
60°-70°	1252.8	3.3
70°-80°	429.5	1.1
80°-90°	230.0	0.6
90°-100°	354.0	0.9
100°-110°	379.2	1.0
110°-120°	185.2	0.5
120°-130°	76.1	0.2
130°-140°	53.0	0.1
140°-150°	44.4	0.1
150°-160°	31.1	0.1
160°-170°	15.8	0.0
170°-180°	4.2	0.0
0°-30°	14542.3	38.3
0°-40°	23948.8	63.1
0°-60°	34882.9	91.9
0°-90°	36795.2	97.0
90°-120°	918.4	2.4
90°-150°	1091.9	2.9
90°-180°	1143.0	3.0
0°-180°	37938.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17990	
5°	17965	###
15°	17716	5007
25°	16966	7824
35°	15388	9407
45°	9599	7359
55°	3954	3576
65°	1238	1253
75°	396	429
85°	192	174
90°	218	124
95°	332	287
105°	369	379
115°	181	185
125°	81	76
135°	68	53
145°	71	44
155°	67	31
165°	55	16
175°	43	4
180°	40	

TEST NUMBER: P1505013

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17990.5
2.5°	17973.5
5°	17964.9
7.5°	17932.0
10°	17869.7
12.5°	17787.9
15°	17715.9
17.5°	17592.6
20°	17408.3
22.5°	17193.5
25°	16966.5
27.5°	16694.3
30°	16350.1
32.5°	15927.7
35°	15388.2
37.5°	14232.3
40°	12878.6
42.5°	11318.7
45°	9598.9
47.5°	7866.8
50°	6298.3
52.5°	5017.9
55°	3953.6
57.5°	2951.4
60°	2060.4
62.5°	1679.6
65°	1237.7
67.5°	842.2
70°	596.9
72.5°	472.4
75°	395.5
77.5°	329.6
80°	264.9
82.5°	217.3
85°	191.6
87.5°	192.9
90°	218.5
92.5°	272.2
95°	332.0
97.5°	382.1
100°	406.5
102.5°	397.9
105°	368.6
107.5°	324.7
110°	274.6

TEST NUMBER: P1505013

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (5000K_L36_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	224.6
115°	180.7
117.5°	142.8
120°	113.5
122.5°	94.0
125°	80.6
127.5°	72.0
130°	68.4
132.5°	67.1
135°	68.4
137.5°	69.6
140°	69.6
142.5°	70.8
145°	70.8
147.5°	70.8
150°	70.8
152.5°	69.6
155°	67.1
157.5°	64.7
160°	62.3
162.5°	58.6
165°	54.9
167.5°	51.3
170°	47.6
172.5°	45.2
175°	42.7
177.5°	41.5
180°	40.3

(END OF REPORT)