

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: P1505598

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505598
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-126)
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-06-TRWH-PS (5000K_L36_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

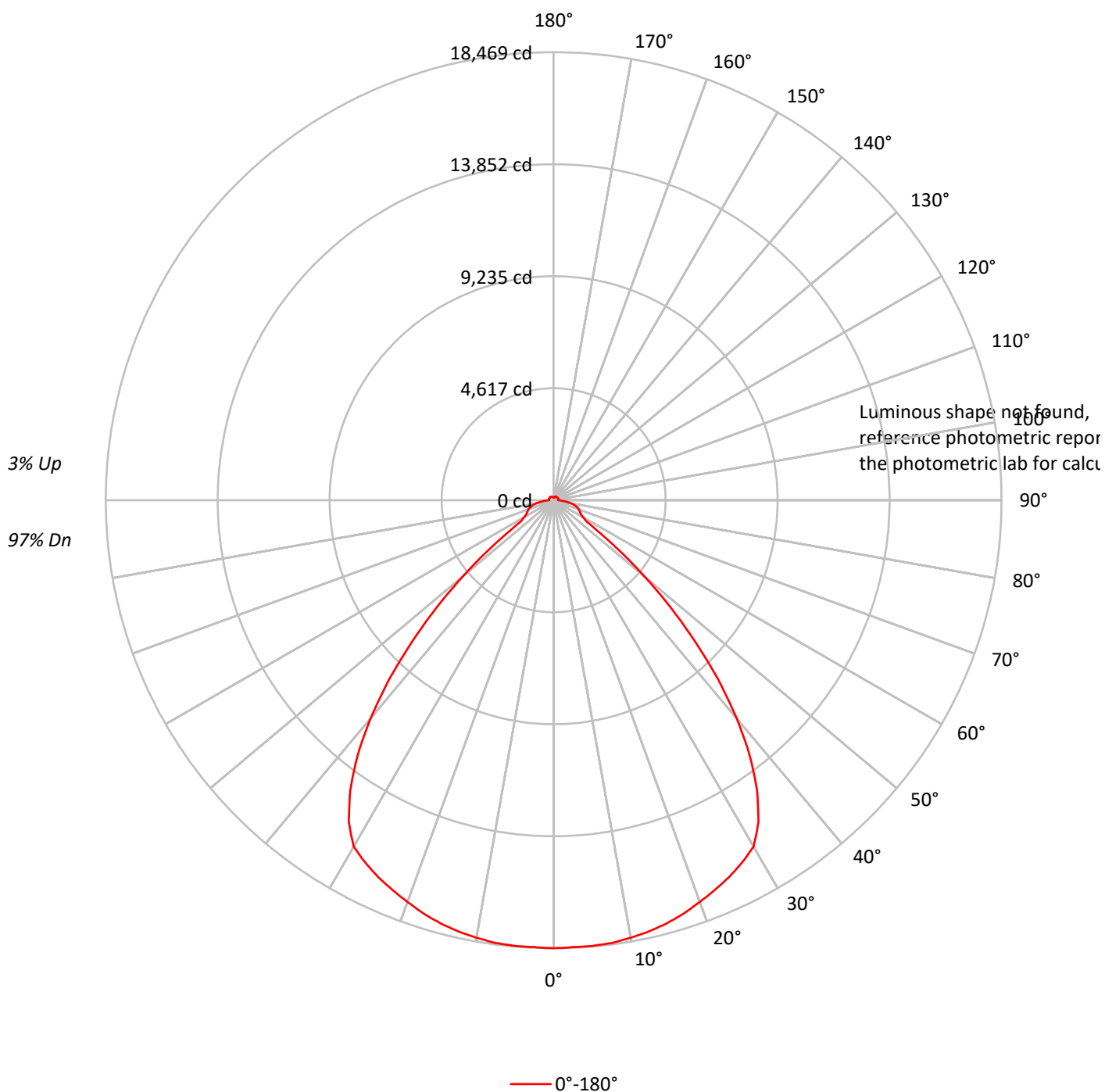
Lumens per Lamp: N/A
Luminaire Lumens: 36229.1 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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: P1505598

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Wide_120V)

Luminous Intensity Polar Plot





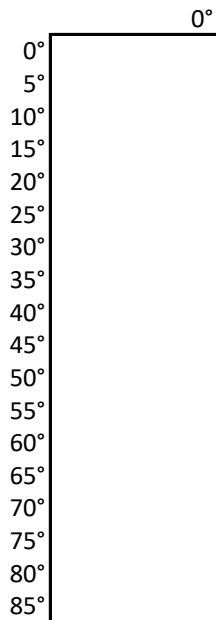
TEST NUMBER: P1505598

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-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	0		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97	
R	1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	86	
	2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	76	
	3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	72	69	67	
	4	89	79	72	66	86	77	71	66	75	69	64	72	67	63	70	66	62	60	
	5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54	
	6	77	66	58	53	75	65	58	52	63	57	52	61	55	51	59	54	51	49	
	7	72	61	53	48	70	60	52	47	58	52	47	56	51	46	55	50	46	44	
	8	68	56	48	43	66	55	48	43	54	47	43	52	46	42	51	46	42	40	
	9	64	52	44	39	62	51	44	39	50	43	39	48	43	39	47	42	38	37	
	10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	34	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1505598

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1756.4	4.8
10°-20°	5098.1	14.1
20°-30°	7900.6	21.8
30°-40°	9011.3	24.9
40°-50°	6348.4	17.5
50°-60°	2287.0	6.3
60°-70°	1212.9	3.3
70°-80°	991.0	2.7
80°-90°	476.6	1.3
90°-100°	205.7	0.6
100°-110°	205.2	0.6
110°-120°	193.3	0.5
120°-130°	170.5	0.5
130°-140°	141.5	0.4
140°-150°	109.9	0.3
150°-160°	73.7	0.2
160°-170°	36.7	0.1
170°-180°	10.3	0.0
0°-30°	14755.2	40.7
0°-40°	23766.5	65.6
0°-60°	32401.8	89.4
0°-90°	35082.3	96.8
90°-120°	604.2	1.7
90°-150°	1026.1	2.8
90°-180°	1147.0	3.2
0°-180°	36229.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18469	
5°	18442	###
15°	18055	5098
25°	17134	7901
35°	14618	9011
45°	8256	6348
55°	2181	2287
65°	1208	1213
75°	954	991
85°	430	409
90°	192	119
95°	188	154
105°	194	205
115°	195	193
125°	190	170
135°	183	142
145°	174	110
155°	159	74
165°	127	37
175°	106	10
180°	106	

TEST NUMBER: P1505598

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	18469.0
2.5°	18438.5
5°	18442.2
7.5°	18405.6
10°	18310.3
12.5°	18201.7
15°	18055.2
17.5°	17857.5
20°	17620.7
22.5°	17382.7
25°	17133.7
27.5°	16835.9
30°	16488.0
32.5°	15720.2
35°	14618.0
37.5°	13293.6
40°	11750.8
42.5°	10061.5
45°	8256.2
47.5°	6533.9
50°	4882.4
52.5°	3438.5
55°	2181.2
57.5°	1574.6
60°	1397.6
62.5°	1276.8
65°	1208.4
67.5°	1157.1
70°	1107.1
72.5°	1042.4
75°	954.5
77.5°	845.9
80°	712.8
82.5°	570.0
85°	429.7
87.5°	297.8
90°	191.6
92.5°	184.3
95°	188.0
97.5°	190.4
100°	191.6
102.5°	192.9
105°	194.1
107.5°	195.3
110°	195.3

TEST NUMBER: P1505598

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (5000K_L36_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.3
115°	195.3
117.5°	194.1
120°	192.9
122.5°	191.6
125°	190.4
127.5°	188.0
130°	186.8
132.5°	184.3
135°	183.1
137.5°	180.7
140°	178.2
142.5°	177.0
145°	174.5
147.5°	173.3
150°	170.9
152.5°	166.0
155°	158.7
157.5°	151.4
160°	144.0
162.5°	136.7
165°	126.9
167.5°	119.6
170°	112.3
172.5°	107.4
175°	106.2
177.5°	106.2
180°	106.2

(END OF REPORT)