

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: P1505607

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505607
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 (6500K_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

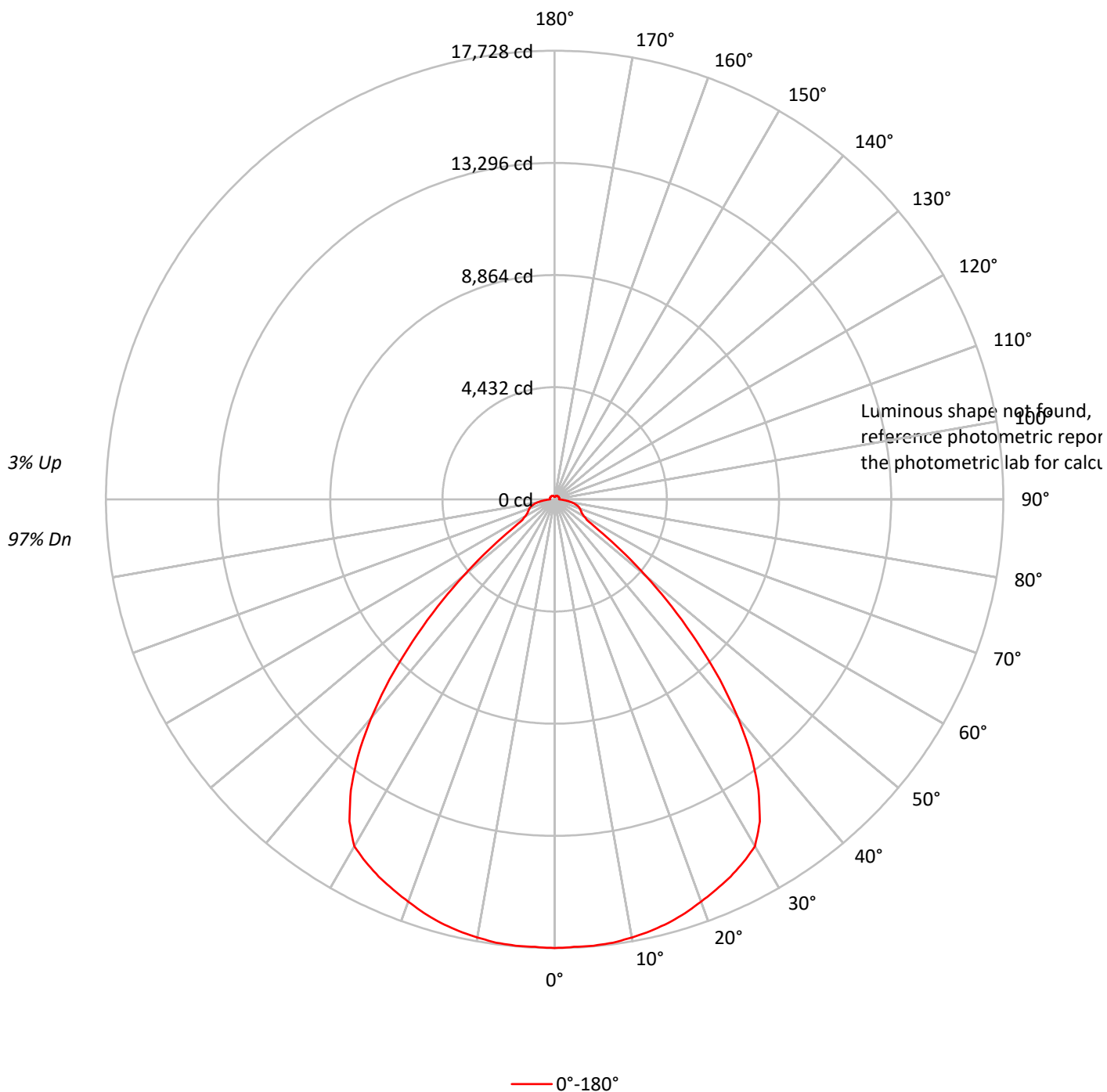
Lumens per Lamp: N/A
Luminaire Lumens: 34776.3 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 239.6
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

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Luminous Intensity Polar Plot





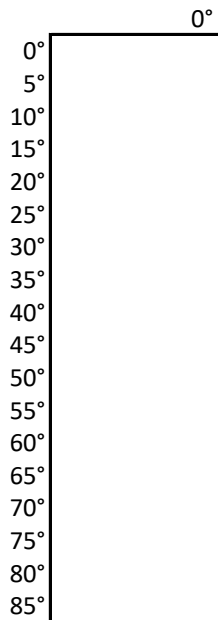
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1686.0	4.8
10°-20°	4893.7	14.1
20°-30°	7583.8	21.8
30°-40°	8650.0	24.9
40°-50°	6093.8	17.5
50°-60°	2195.3	6.3
60°-70°	1164.3	3.3
70°-80°	951.3	2.7
80°-90°	457.5	1.3
90°-100°	197.5	0.6
100°-110°	196.9	0.6
110°-120°	185.5	0.5
120°-130°	163.7	0.5
130°-140°	135.8	0.4
140°-150°	105.5	0.3
150°-160°	70.7	0.2
160°-170°	35.2	0.1
170°-180°	9.9	0.0
0°-30°	14163.4	40.7
0°-40°	22813.4	65.6
0°-60°	31102.5	89.4
0°-90°	33675.5	96.8
90°-120°	580.0	1.7
90°-150°	985.0	2.8
90°-180°	1101.0	3.2
0°-180°	34776.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17728	
5°	17703	###
15°	17331	4894
25°	16447	7584
35°	14032	8650
45°	7925	6094
55°	2094	2195
65°	1160	1164
75°	916	951
85°	412	393
90°	184	114
95°	180	148
105°	186	197
115°	188	186
125°	183	164
135°	176	136
145°	168	106
155°	152	71
165°	122	35
175°	102	10
180°	102	

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (6500K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17728.4
2.5°	17699.1
5°	17702.6
7.5°	17667.4
10°	17576.1
12.5°	17471.8
15°	17331.2
17.5°	17141.4
20°	16914.1
22.5°	16685.6
25°	16446.6
27.5°	16160.7
30°	15826.8
32.5°	15089.8
35°	14031.8
37.5°	12760.5
40°	11279.6
42.5°	9658.0
45°	7925.1
47.5°	6271.9
50°	4686.6
52.5°	3300.6
55°	2093.8
57.5°	1511.4
60°	1341.5
62.5°	1225.6
65°	1159.9
67.5°	1110.7
70°	1062.7
72.5°	1000.6
75°	916.2
77.5°	812.0
80°	684.2
82.5°	547.2
85°	412.4
87.5°	285.9
90°	184.0
92.5°	176.9
95°	180.4
97.5°	182.8
100°	184.0
102.5°	185.1
105°	186.3
107.5°	187.5
110°	187.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.5
115°	187.5
117.5°	186.3
120°	185.1
122.5°	184.0
125°	182.8
127.5°	180.4
130°	179.3
132.5°	176.9
135°	175.7
137.5°	173.4
140°	171.1
142.5°	169.9
145°	167.5
147.5°	166.4
150°	164.0
152.5°	159.3
155°	152.3
157.5°	145.3
160°	138.3
162.5°	131.2
165°	121.9
167.5°	114.8
170°	107.8
172.5°	103.1
175°	101.9
177.5°	101.9
180°	101.9

(END OF REPORT)