

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: P1505575

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505575
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-125)
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

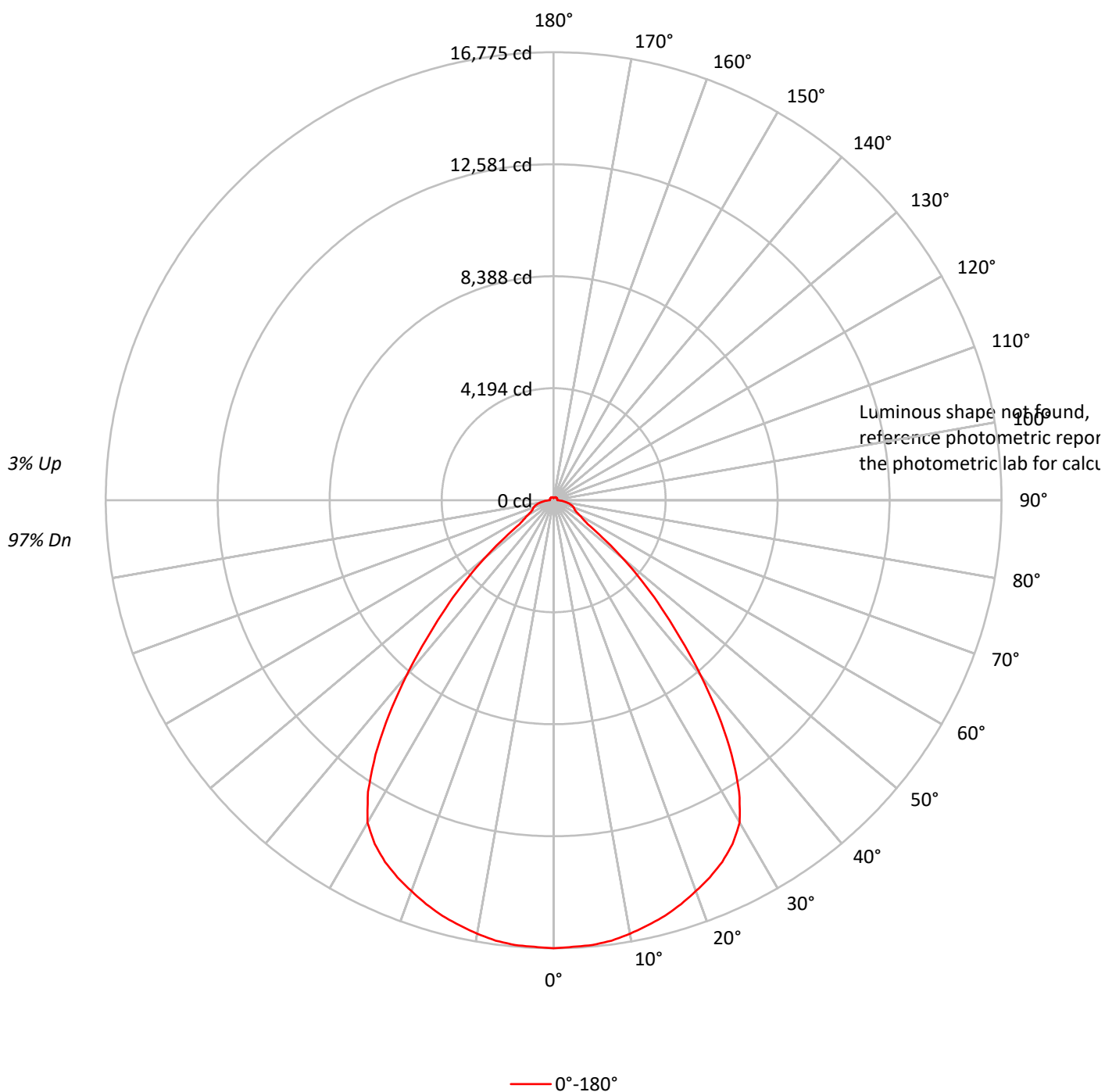
Lumens per Lamp: N/A
Luminaire Lumens: 29042.2 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 195.9
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



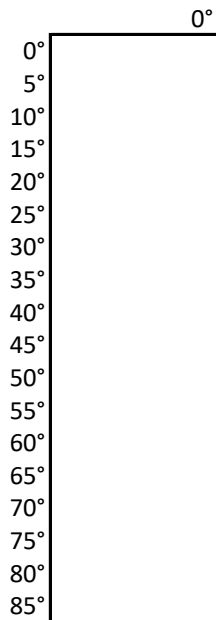
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	104	102	99	100	97	95	96	94	92	92	90	89	87		
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	96	88	82	76	94	86	80	76	83	78	74	80	76	72	77	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	63	59	66	61	58	56		
6	79	67	60	55	77	66	59	54	64	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42		
9	65	53	46	42	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1588.2	5.5
10°-20°	4543.4	15.6
20°-30°	6861.7	23.6
30°-40°	7148.9	24.6
40°-50°	4446.8	15.3
50°-60°	1641.1	5.7
60°-70°	904.4	3.1
70°-80°	711.5	2.5
80°-90°	352.7	1.2
90°-100°	150.6	0.5
100°-110°	150.1	0.5
110°-120°	141.5	0.5
120°-130°	124.7	0.4
130°-140°	103.9	0.4
140°-150°	81.6	0.3
150°-160°	55.1	0.2
160°-170°	27.9	0.1
170°-180°	7.9	0.0
0°-30°	12993.3	44.7
0°-40°	20142.3	69.4
0°-60°	26230.3	90.3
0°-90°	28198.9	97.1
90°-120°	442.1	1.5
90°-150°	752.4	2.6
90°-180°	843.0	2.9
0°-180°	29042.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16775	
5°	16717	###
15°	16109	4543
25°	14939	6862
35°	11627	7149
45°	5720	4447
55°	1551	1641
65°	884	904
75°	682	712
85°	321	303
90°	142	88
95°	137	113
105°	142	150
115°	143	141
125°	139	125
135°	134	104
145°	130	82
155°	119	55
165°	97	28
175°	82	8
180°	82	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16775
2.5°	16736
5°	16717
7.5°	16633
10°	16481
12.5°	16303
15°	16109
17.5°	15857
20°	15573
22.5°	15286
25°	14939
27.5°	14506
30°	13936
32.5°	12934
35°	11627
37.5°	10132
40°	8569
42.5°	7048
45°	5720
47.5°	4508
50°	3377
52.5°	2300
55°	1551
57.5°	1301
60°	1119
62.5°	970
65°	884
67.5°	839
70°	799
72.5°	749
75°	682
77.5°	605
80°	518
82.5°	421
85°	321
87.5°	223
90°	142
92.5°	135
95°	137
97.5°	139
100°	140
102.5°	141
105°	142
107.5°	143
110°	143

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143
115°	143
117.5°	142
120°	141
122.5°	140
125°	139
127.5°	138
130°	137
132.5°	135
135°	134
137.5°	133
140°	132
142.5°	131
145°	130
147.5°	129
150°	127
152.5°	123
155°	119
157.5°	114
160°	109
162.5°	103
165°	97
167.5°	91
170°	86
172.5°	83
175°	82
177.5°	82
180°	82

(END OF REPORT)