

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: P1505566

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-TRWH-PS (3000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505566
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 (3000K_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

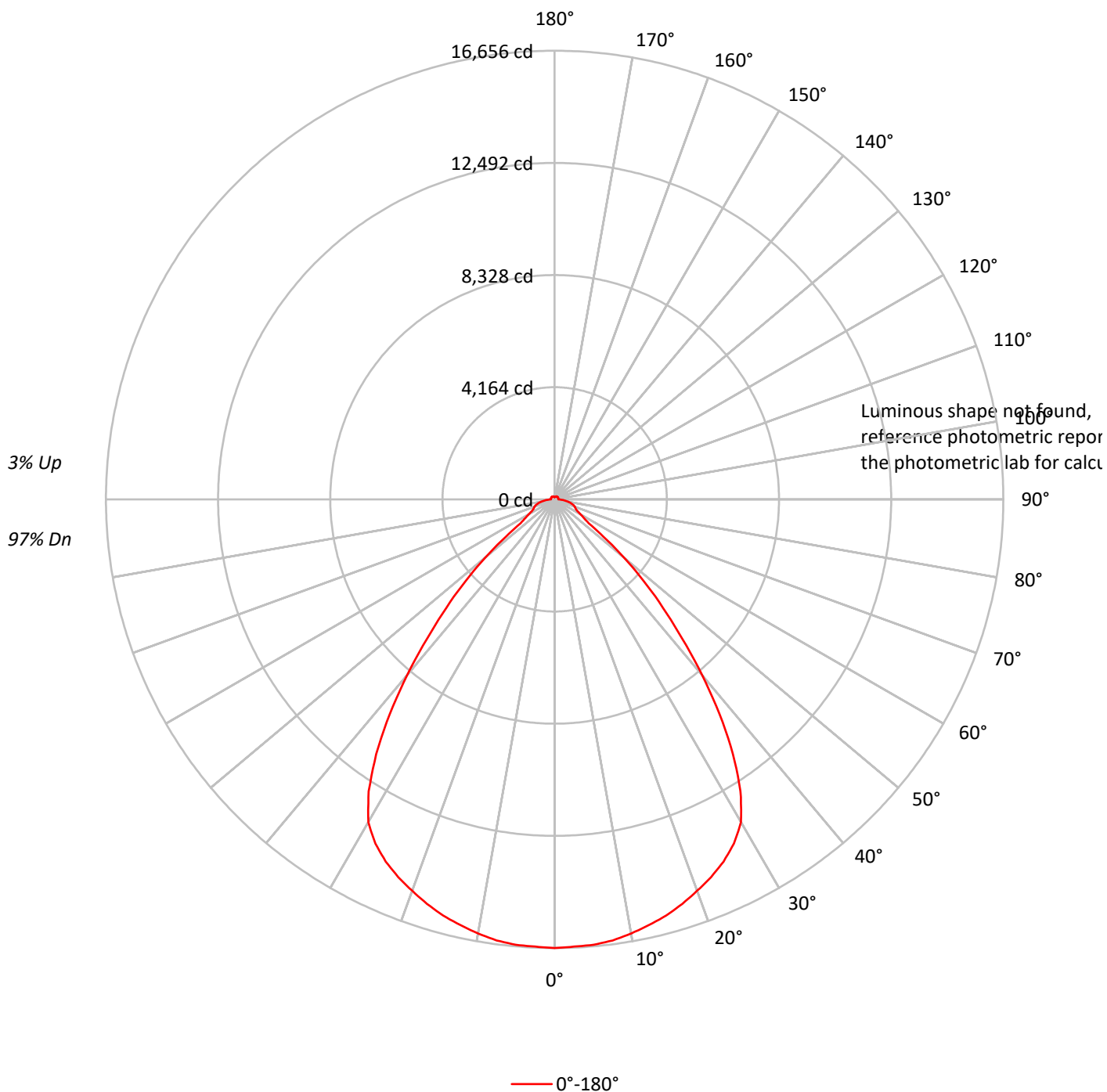
Lumens per Lamp: N/A
Luminaire Lumens: 28836.0 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.16
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 199.4
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

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Luminous Intensity Polar Plot



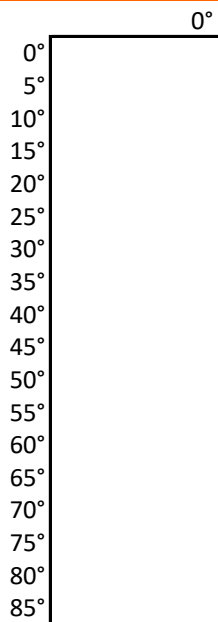
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118		115	115	115	115		109	109	109		104	104	104	97
1	111	107	104	101		108	104	102	99		100	97	95		96	94	92	87
2	103	97	92	87		101	95	90	86		91	87	84		87	84	81	77
3	96	88	82	76		94	86	80	76		83	78	74		80	76	72	69
4	90	80	73	68		88	79	72	67		76	71	66		74	69	65	62
5	84	73	66	61		82	72	65	60		70	64	59		68	63	59	56
6	79	67	60	55		77	66	59	54		64	58	54		63	57	53	51
7	74	62	55	50		72	61	54	49		60	53	49		58	53	48	46
8	69	58	50	45		68	57	50	45		55	49	45		54	48	44	42
9	65	53	46	42		64	53	46	41		51	45	41		50	45	41	39
10	61	50	43	38		60	49	43	38		48	42	38		47	41	38	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°	1576.9	5.5
10°-20°	4511.2	15.6
20°-30°	6813.0	23.6
30°-40°	7098.2	24.6
40°-50°	4415.3	15.3
50°-60°	1629.5	5.7
60°-70°	897.9	3.1
70°-80°	706.5	2.5
80°-90°	350.2	1.2
90°-100°	149.5	0.5
100°-110°	149.0	0.5
110°-120°	140.5	0.5
120°-130°	123.8	0.4
130°-140°	103.2	0.4
140°-150°	81.1	0.3
150°-160°	54.7	0.2
160°-170°	27.7	0.1
170°-180°	7.9	0.0
0°-30°	12901.1	44.7
0°-40°	19999.3	69.4
0°-60°	26044.1	90.3
0°-90°	27998.7	97.1
90°-120°	439.0	1.5
90°-150°	747.1	2.6
90°-180°	837.0	2.9
0°-180°	28836.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16656	
5°	16598	###
15°	15995	4511
25°	14833	6813
35°	11544	7098
45°	5679	4415
55°	1540	1630
65°	878	898
75°	677	707
85°	319	301
90°	141	87
95°	136	112
105°	141	149
115°	142	140
125°	138	124
135°	133	103
145°	129	81
155°	118	55
165°	96	28
175°	81	8
180°	81	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16655.9
2.5°	16617.2
5°	16598.3
7.5°	16514.9
10°	16364.0
12.5°	16187.3
15°	15994.6
17.5°	15744.4
20°	15462.4
22.5°	15177.5
25°	14832.9
27.5°	14403.0
30°	13837.1
32.5°	12842.2
35°	11544.5
37.5°	10060.1
40°	8508.2
42.5°	6998.0
45°	5679.4
47.5°	4476.0
50°	3353.0
52.5°	2283.7
55°	1540.0
57.5°	1291.8
60°	1111.1
62.5°	963.1
65°	877.7
67.5°	833.0
70°	793.3
72.5°	743.7
75°	677.2
77.5°	600.7
80°	514.3
82.5°	418.0
85°	318.7
87.5°	221.4
90°	141.0
92.5°	134.0
95°	136.0
97.5°	138.0
100°	139.0
102.5°	140.0
105°	141.0
107.5°	142.0
110°	142.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.0
115°	142.0
117.5°	141.0
120°	140.0
122.5°	139.0
125°	138.0
127.5°	137.0
130°	136.0
132.5°	134.0
135°	133.0
137.5°	132.1
140°	131.1
142.5°	130.1
145°	129.1
147.5°	128.1
150°	126.1
152.5°	122.1
155°	118.2
157.5°	113.2
160°	108.2
162.5°	102.3
165°	96.3
167.5°	90.4
170°	85.4
172.5°	82.4
175°	81.4
177.5°	81.4
180°	81.4

(END OF REPORT)