

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: P1505224

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-TRWH-PS (4000K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505224
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-113)
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-06-TRWH-PS (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

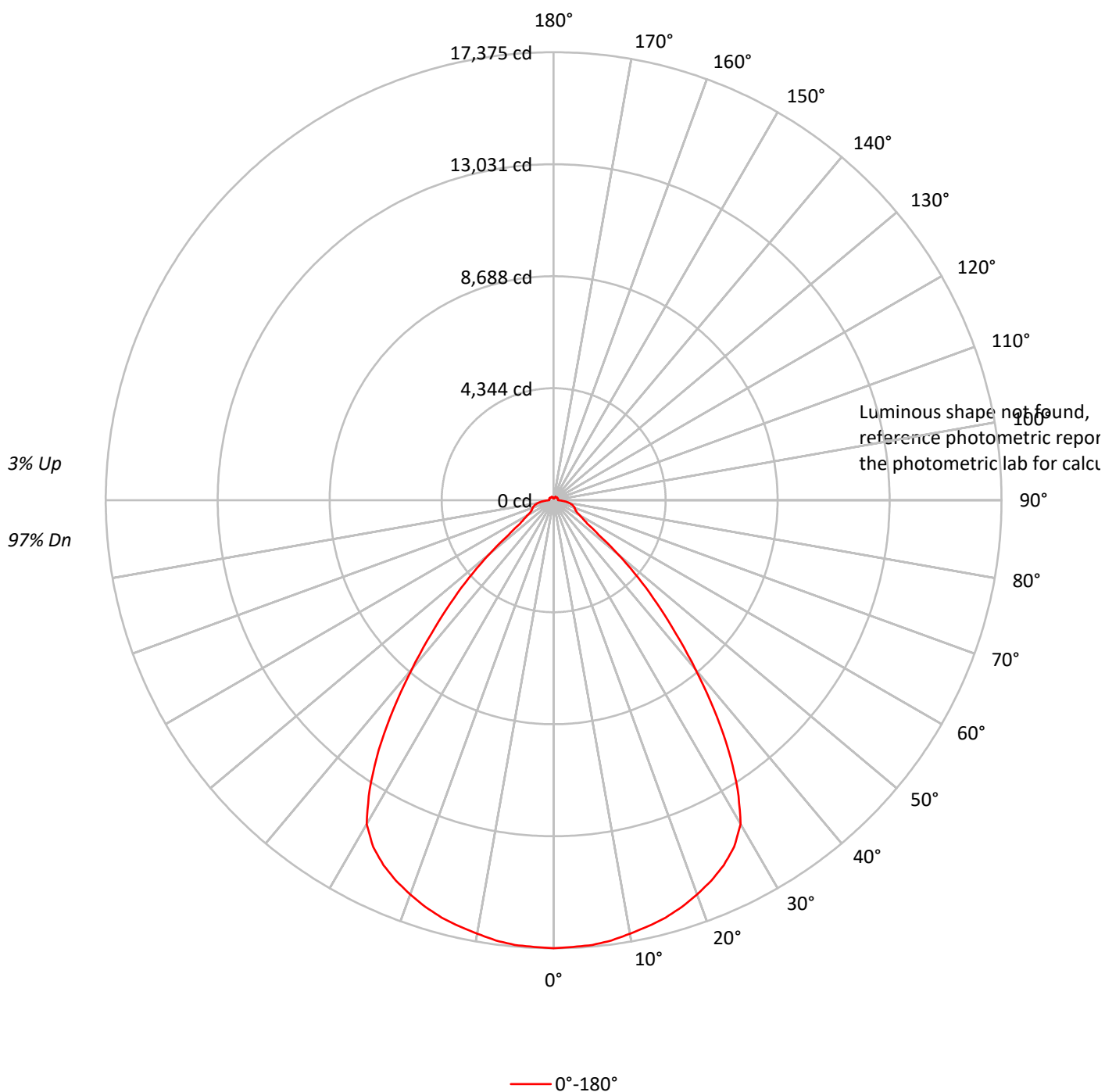
Lumens per Lamp: N/A
Luminaire Lumens: 30063.9 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 194.3
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

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Luminous Intensity Polar Plot



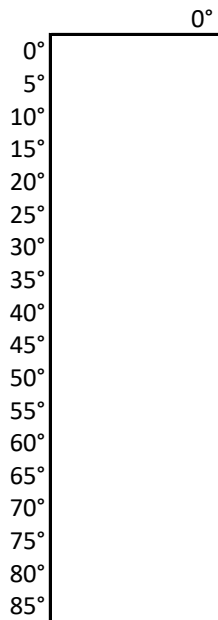
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	110	107	103	100	108	104	101	98		99	97	95		95	93	91		91	90	88
2	103	97	91	87	100	94	90	86		91	87	83		87	84	81		84	81	79
3	96	88	81	76	94	86	80	75		83	78	74		80	76	72		77	73	70
4	90	80	73	68	87	79	72	67		76	70	66		73	68	65		71	67	63
5	84	73	66	61	82	72	65	60		70	64	59		68	62	58		66	61	57
6	78	67	60	55	76	66	59	54		64	58	54		62	57	53		61	56	52
7	74	62	55	50	72	61	54	49		60	53	49		58	52	48		56	52	48
8	69	58	50	45	67	57	50	45		55	49	45		54	48	44		53	48	44
9	65	53	46	42	64	53	46	41		51	45	41		50	45	41		49	44	40
10	61	50	43	38	60	49	43	38		48	42	38		47	41	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1644.6	5.5
10°-20°	4728.9	15.7
20°-30°	7166.3	23.8
30°-40°	7283.7	24.2
40°-50°	4407.6	14.7
50°-60°	1637.4	5.4
60°-70°	963.2	3.2
70°-80°	804.0	2.7
80°-90°	434.0	1.4
90°-100°	187.3	0.6
100°-110°	184.1	0.6
110°-120°	169.7	0.6
120°-130°	146.4	0.5
130°-140°	120.0	0.4
140°-150°	93.2	0.3
150°-160°	59.9	0.2
160°-170°	26.9	0.1
170°-180°	6.7	0.0
0°-30°	13539.8	45.0
0°-40°	20823.5	69.3
0°-60°	26868.5	89.4
0°-90°	29069.6	96.7
90°-120°	541.2	1.8
90°-150°	900.8	3.0
90°-180°	994.0	3.3
0°-180°	30063.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17375	
5°	17312	###
15°	16762	4729
25°	15614	7166
35°	11822	7284
45°	5670	4408
55°	1594	1637
65°	945	963
75°	770	804
85°	402	372
90°	171	109
95°	171	140
105°	175	184
115°	171	170
125°	163	146
135°	155	120
145°	148	93
155°	129	60
165°	92	27
175°	66	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17375.2
2.5°	17340.7
5°	17311.5
7.5°	17218.4
10°	17066.9
12.5°	16924.7
15°	16761.6
17.5°	16536.9
20°	16267.1
22.5°	15972.3
25°	15613.8
27.5°	15158.0
30°	14504.6
32.5°	13287.8
35°	11822.2
37.5°	10209.2
40°	8553.3
42.5°	7019.7
45°	5670.1
47.5°	4451.2
50°	3265.8
52.5°	2207.8
55°	1594.2
57.5°	1356.9
60°	1166.6
62.5°	1020.3
65°	945.0
67.5°	903.2
70°	872.9
72.5°	830.0
75°	770.4
77.5°	699.4
80°	614.7
82.5°	515.4
85°	402.5
87.5°	282.3
90°	171.4
92.5°	170.4
95°	171.4
97.5°	172.5
100°	173.5
102.5°	174.6
105°	174.6
107.5°	173.5
110°	173.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	172.5
115°	171.4
117.5°	169.4
120°	167.3
122.5°	165.2
125°	163.1
127.5°	161.0
130°	158.9
132.5°	156.8
135°	154.7
137.5°	152.6
140°	151.6
142.5°	149.5
145°	148.4
147.5°	147.4
150°	144.3
152.5°	136.9
155°	128.6
157.5°	120.2
160°	111.9
162.5°	101.4
165°	92.0
167.5°	84.7
170°	77.4
172.5°	71.1
175°	65.9
177.5°	63.8
180°	63.8

(END OF REPORT)