

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: P1505396

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505396
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
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-04-TRWH-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

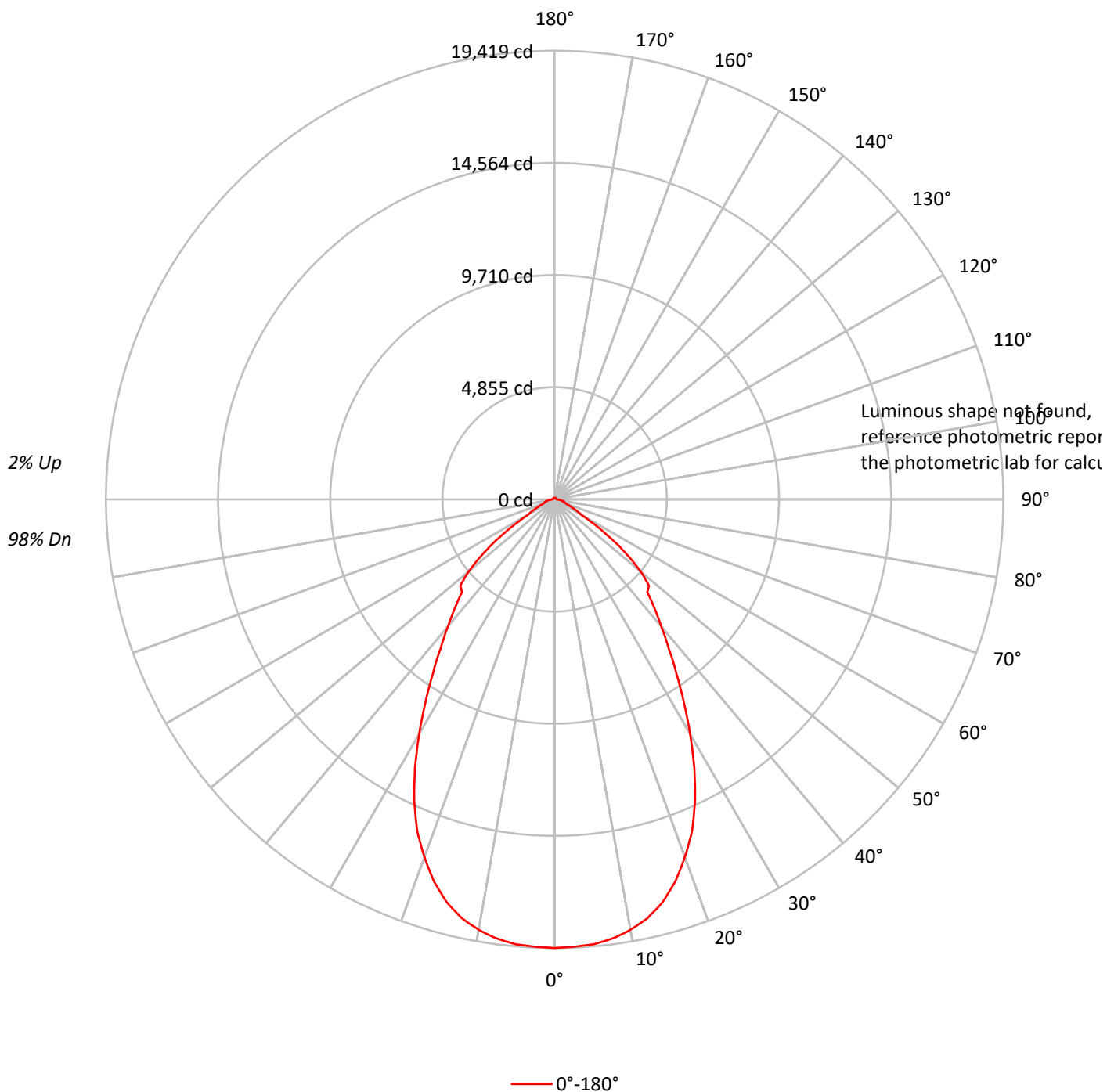
Lumens per Lamp: N/A
Luminaire Lumens: 28447.6 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196.3
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





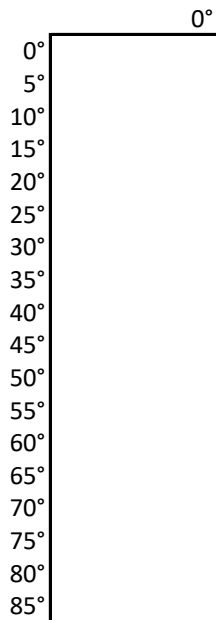
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	38	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°	1831.8	6.4
10°-20°	5043.0	17.7
20°-30°	6540.7	23.0
30°-40°	5776.7	20.3
40°-50°	4549.5	16.0
50°-60°	2734.4	9.6
60°-70°	857.7	3.0
70°-80°	436.6	1.5
80°-90°	217.5	0.8
90°-100°	78.7	0.3
100°-110°	79.6	0.3
110°-120°	75.1	0.3
120°-130°	66.7	0.2
130°-140°	56.8	0.2
140°-150°	47.1	0.2
150°-160°	32.8	0.1
160°-170°	17.5	0.1
170°-180°	5.3	0.0
0°-30°	13415.5	47.2
0°-40°	19192.3	67.5
0°-60°	26476.1	93.1
0°-90°	27987.8	98.4
90°-120°	233.4	0.8
90°-150°	404.0	1.4
90°-180°	460.0	1.6
0°-180°	28447.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19419	
5°	19328	###
15°	18050	5043
25°	14375	6541
35°	9184	5777
45°	5668	4549
55°	3097	2734
65°	837	858
75°	411	437
85°	200	190
90°	71	47
95°	72	59
105°	75	80
115°	76	75
125°	74	67
135°	73	57
145°	75	47
155°	70	33
165°	61	18
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19419
2.5°	19380
5°	19328
7.5°	19174
10°	18920
12.5°	18564
15°	18050
17.5°	17345
20°	16479
22.5°	15534
25°	14375
27.5°	13083
30°	11712
32.5°	10409
35°	9184
37.5°	8100
40°	7180
42.5°	6389
45°	5668
47.5°	5534
50°	4861
52.5°	4000
55°	3097
57.5°	2122
60°	1359
62.5°	1078
65°	837
67.5°	631
70°	506
72.5°	447
75°	411
77.5°	378
80°	328
82.5°	267
85°	200
87.5°	132
90°	71
92.5°	71
95°	72
97.5°	73
100°	74
102.5°	75
105°	75
107.5°	76
110°	76

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76
115°	76
117.5°	75
120°	75
122.5°	75
125°	74
127.5°	74
130°	74
132.5°	74
135°	73
137.5°	73
140°	73
142.5°	74
145°	75
147.5°	76
150°	77
152.5°	73
155°	70
157.5°	68
160°	66
162.5°	64
165°	61
167.5°	59
170°	57
172.5°	55
175°	56
177.5°	56
180°	56

(END OF REPORT)