

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: P1505370

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505370
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
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-CLER-PS (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

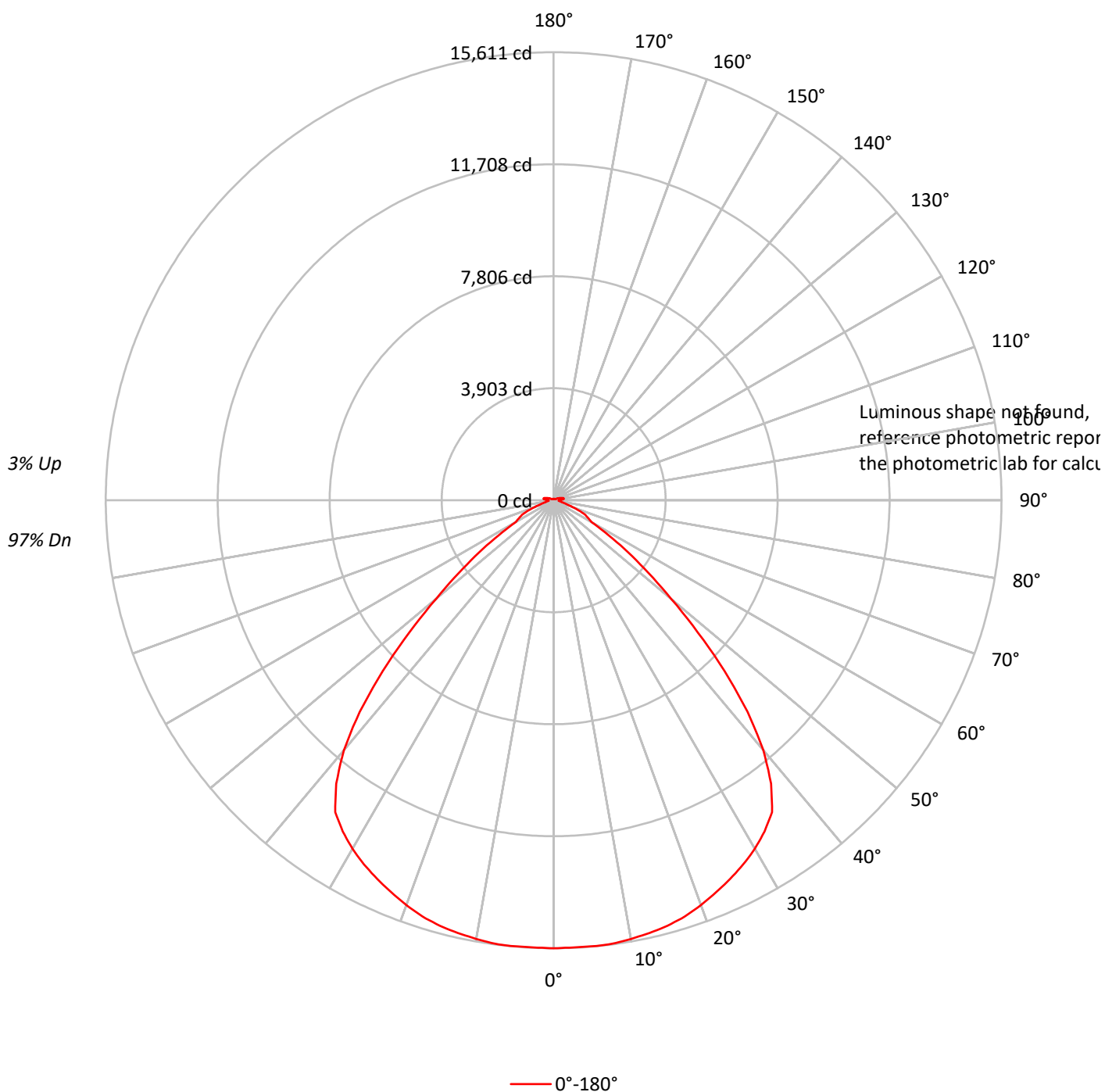
Lumens per Lamp: N/A
Luminaire Lumens: 32817.2 lumens
Efficiency: N/A
Efficacy: 167.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 195.5
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





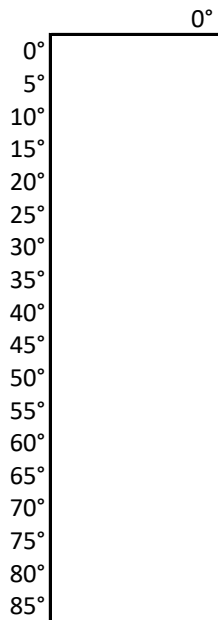
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	89	89	89	89	87			
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	79	79	79	76			
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	70	70	70	68			
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	62	62	62	62	60			
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	55	55	55	54			
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	50	50	50	48			
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	41	41	41	39			
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	37	37	37	36			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1487.2	4.5
10°-20°	4334.6	13.2
20°-30°	6718.5	20.5
30°-40°	8149.9	24.8
40°-50°	6440.5	19.6
50°-60°	2891.7	8.8
60°-70°	1167.2	3.6
70°-80°	434.1	1.3
80°-90°	205.8	0.6
90°-100°	327.8	1.0
100°-110°	321.3	1.0
110°-120°	151.0	0.5
120°-130°	62.8	0.2
130°-140°	45.0	0.1
140°-150°	36.2	0.1
150°-160°	25.1	0.1
160°-170°	14.1	0.0
170°-180°	4.4	0.0
0°-30°	12540.3	38.2
0°-40°	20690.2	63.0
0°-60°	30022.5	91.5
0°-90°	31829.5	97.0
90°-120°	800.1	2.4
90°-150°	944.0	2.9
90°-180°	988.0	3.0
0°-180°	32817.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15611	
5°	15604	###
15°	15348	4335
25°	14560	6719
35°	13272	8150
45°	8420	6441
55°	3167	2892
65°	1227	1167
75°	369	434
85°	172	153
90°	204	116
95°	313	264
105°	310	321
115°	146	151
125°	66	63
135°	58	45
145°	57	36
155°	54	25
165°	50	14
175°	46	4
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15611.4
2.5°	15595.6
5°	15604.1
7.5°	15589.3
10°	15520.8
12.5°	15442.8
15°	15348.0
17.5°	15208.9
20°	15011.8
22.5°	14788.4
25°	14559.7
27.5°	14308.9
30°	14023.3
32.5°	13679.8
35°	13271.9
37.5°	12445.7
40°	11370.8
42.5°	10001.9
45°	8420.1
47.5°	6821.4
50°	5345.0
52.5°	4158.4
55°	3166.8
57.5°	2273.1
60°	1534.4
62.5°	1357.3
65°	1226.7
67.5°	1002.2
70°	738.7
72.5°	510.1
75°	368.8
77.5°	286.6
80°	227.6
82.5°	189.7
85°	171.8
87.5°	177.0
90°	204.4
92.5°	258.2
95°	313.0
97.5°	349.9
100°	358.3
102.5°	341.4
105°	309.8
107.5°	269.8
110°	225.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	184.4
115°	146.5
117.5°	114.9
120°	92.7
122.5°	76.9
125°	66.4
127.5°	60.1
130°	58.0
132.5°	56.9
135°	58.0
137.5°	59.0
140°	59.0
142.5°	59.0
145°	56.9
147.5°	56.9
150°	55.9
152.5°	54.8
155°	53.7
157.5°	53.7
160°	52.7
162.5°	51.6
165°	49.5
167.5°	47.4
170°	45.3
172.5°	45.3
175°	46.4
177.5°	47.4
180°	47.4

(END OF REPORT)