

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: P1505541

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (4000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505541
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-120)
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-CLER-PS (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

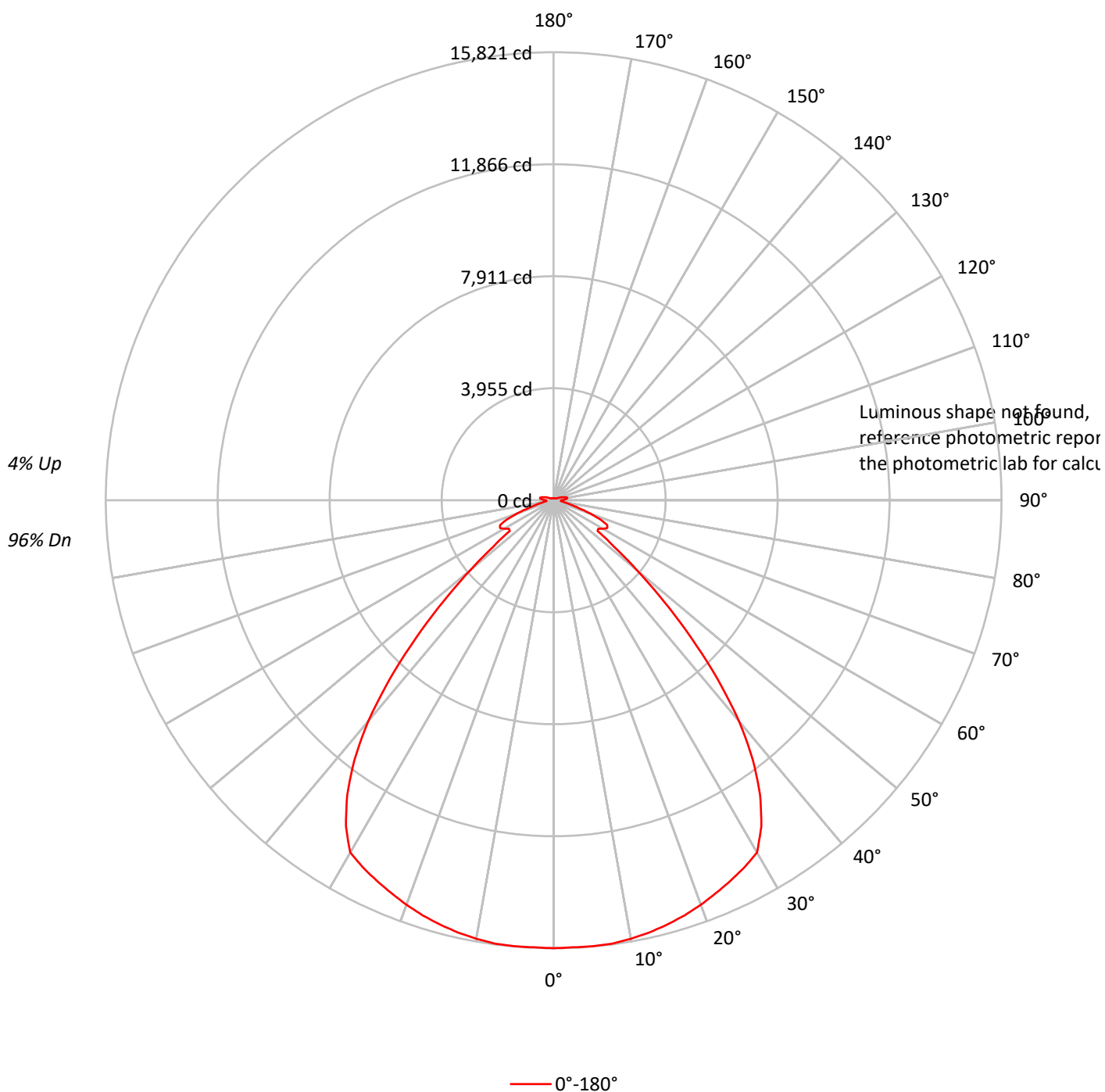
Lumens per Lamp: N/A
Luminaire Lumens: 32318.8 lumens
Efficiency: N/A
Efficacy: 166.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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





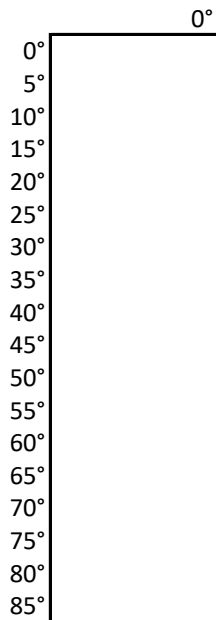
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
R																				
C	0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96	
R	1	110	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87	85	
	2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	75	
	3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	66	
	4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	64	61	59	
	5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	54	52	
	6	76	65	57	52	74	64	57	51	62	55	50	60	54	50	58	53	49	47	
	7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	53	48	44	43	
	8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41	39	
	9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35	
	10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	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°	1506.8	4.7
10°-20°	4384.5	13.6
20°-30°	6840.5	21.2
30°-40°	7834.3	24.2
40°-50°	5295.2	16.4
50°-60°	2084.7	6.5
60°-70°	1911.5	5.9
70°-80°	784.0	2.4
80°-90°	300.3	0.9
90°-100°	449.8	1.4
100°-110°	430.7	1.3
110°-120°	207.0	0.6
120°-130°	95.4	0.3
130°-140°	73.2	0.2
140°-150°	56.0	0.2
150°-160°	37.4	0.1
160°-170°	21.0	0.1
170°-180°	6.4	0.0
0°-30°	12731.8	39.4
0°-40°	20566.1	63.6
0°-60°	27945.9	86.5
0°-90°	30941.8	95.7
90°-120°	1087.6	3.4
90°-150°	1312.2	4.1
90°-180°	1377.0	4.3
0°-180°	32318.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15821	
5°	15812	###
15°	15510	4385
25°	14811	6840
35°	12714	7834
45°	6862	5295
55°	1896	2085
65°	2091	1912
75°	671	784
85°	250	227
90°	285	161
95°	429	362
105°	411	431
115°	201	207
125°	101	95
135°	95	73
145°	89	56
155°	80	37
165°	73	21
175°	68	6
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15820.8
2.5°	15802.0
5°	15812.4
7.5°	15794.6
10°	15722.5
12.5°	15632.6
15°	15510.3
17.5°	15371.3
20°	15201.9
22.5°	15006.4
25°	14810.9
27.5°	14609.2
30°	14365.6
32.5°	13653.7
35°	12713.9
37.5°	11561.9
40°	10193.5
42.5°	8567.9
45°	6861.9
47.5°	5263.5
50°	3825.0
52.5°	2678.3
55°	1896.3
57.5°	1869.1
60°	2011.3
62.5°	2133.6
65°	2090.8
67.5°	1801.2
70°	1375.7
72.5°	962.8
75°	671.1
77.5°	480.9
80°	353.3
82.5°	280.2
85°	249.8
87.5°	251.9
90°	285.4
92.5°	352.3
95°	428.6
97.5°	480.9
100°	491.3
102.5°	462.1
105°	410.8
107.5°	356.5
110°	301.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	248.8
115°	200.7
117.5°	163.1
120°	133.8
122.5°	113.9
125°	101.4
127.5°	95.1
130°	93.0
132.5°	93.0
135°	95.1
137.5°	96.2
140°	95.1
142.5°	92.0
145°	88.9
147.5°	85.7
150°	83.6
152.5°	81.5
155°	80.5
157.5°	79.4
160°	78.4
162.5°	76.3
165°	73.2
167.5°	71.1
170°	67.9
172.5°	65.9
175°	67.9
177.5°	67.9
180°	67.9

(END OF REPORT)