

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: P1505550

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505550
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 (5000K_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

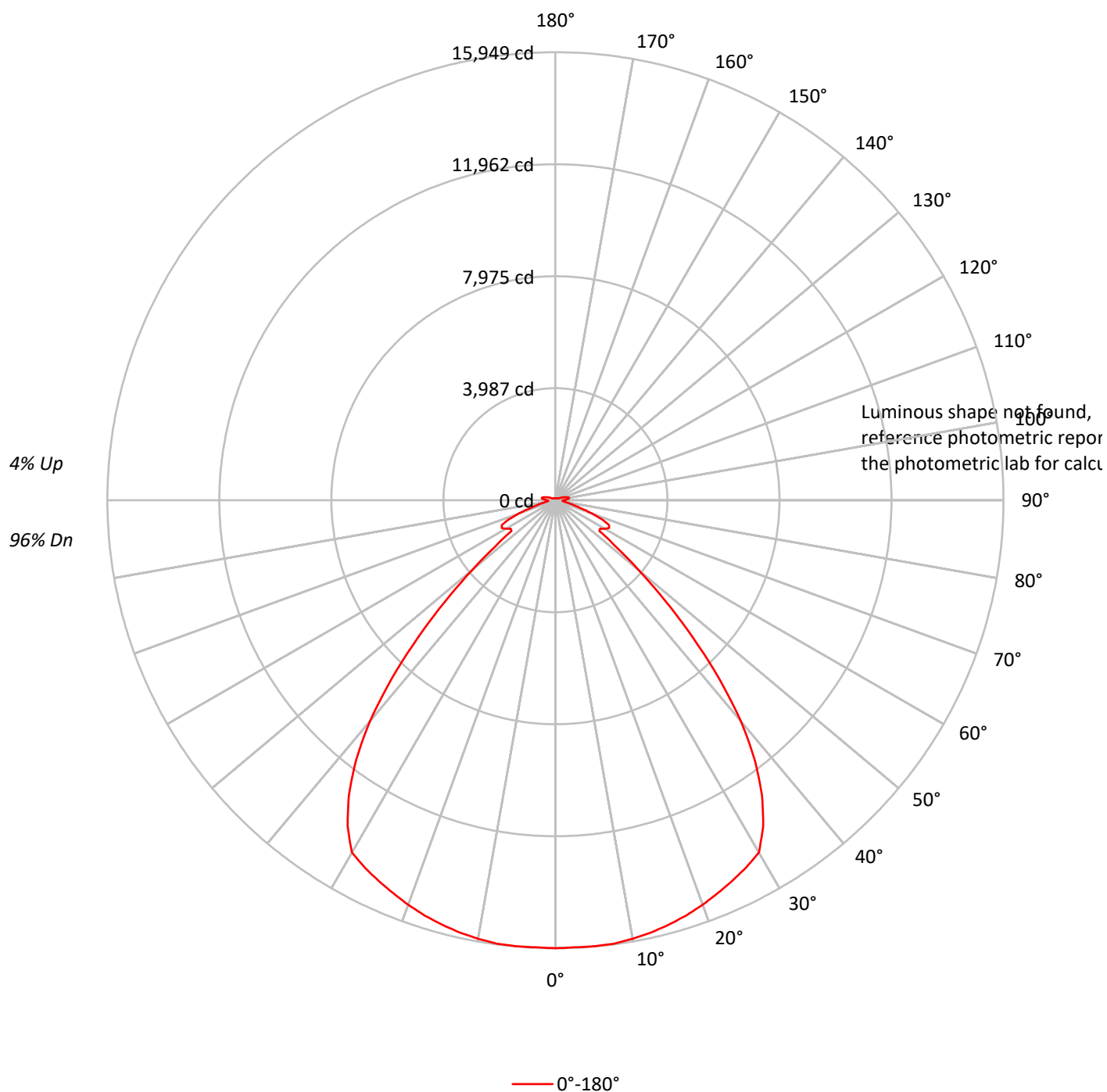
Lumens per Lamp: N/A
Luminaire Lumens: 32580.2 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



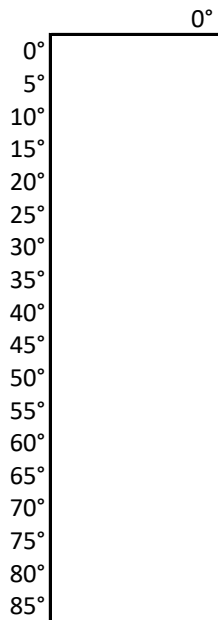
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96			
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°	1519.0	4.7
10°-20°	4420.0	13.6
20°-30°	6895.8	21.2
30°-40°	7897.6	24.2
40°-50°	5338.0	16.4
50°-60°	2101.5	6.5
60°-70°	1927.0	5.9
70°-80°	790.4	2.4
80°-90°	302.7	0.9
90°-100°	453.5	1.4
100°-110°	434.2	1.3
110°-120°	208.7	0.6
120°-130°	96.2	0.3
130°-140°	73.8	0.2
140°-150°	56.5	0.2
150°-160°	37.7	0.1
160°-170°	21.1	0.1
170°-180°	6.5	0.0
0°-30°	12834.7	39.4
0°-40°	20732.3	63.6
0°-60°	28171.9	86.5
0°-90°	31192.0	95.7
90°-120°	1096.4	3.4
90°-150°	1322.9	4.1
90°-180°	1388.0	4.3
0°-180°	32580.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15949	
5°	15940	###
15°	15636	4420
25°	14931	6896
35°	12817	7898
45°	6917	5338
55°	1912	2102
65°	2108	1927
75°	677	790
85°	252	229
90°	288	162
95°	432	365
105°	414	434
115°	202	209
125°	102	96
135°	96	74
145°	90	56
155°	81	38
165°	74	21
175°	68	6
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15948.7
2.5°	15929.7
5°	15940.2
7.5°	15922.3
10°	15849.6
12.5°	15759.0
15°	15635.7
17.5°	15495.5
20°	15324.8
22.5°	15127.7
25°	14930.7
27.5°	14727.3
30°	14481.7
32.5°	13764.1
35°	12816.7
37.5°	11655.4
40°	10275.9
42.5°	8637.2
45°	6917.3
47.5°	5306.0
50°	3856.0
52.5°	2699.9
55°	1911.6
57.5°	1884.2
60°	2027.6
62.5°	2150.9
65°	2107.7
67.5°	1815.8
70°	1386.8
72.5°	970.6
75°	676.6
77.5°	484.8
80°	356.2
82.5°	282.4
85°	251.9
87.5°	254.0
90°	287.7
92.5°	355.1
95°	432.1
97.5°	484.8
100°	495.3
102.5°	465.8
105°	414.2
107.5°	359.4
110°	303.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	250.8
115°	202.3
117.5°	164.4
120°	134.9
122.5°	114.9
125°	102.2
127.5°	95.9
130°	93.8
132.5°	93.8
135°	95.9
137.5°	97.0
140°	95.9
142.5°	92.7
145°	89.6
147.5°	86.4
150°	84.3
152.5°	82.2
155°	81.1
157.5°	80.1
160°	79.0
162.5°	76.9
165°	73.8
167.5°	71.7
170°	68.5
172.5°	66.4
175°	68.5
177.5°	68.5
180°	68.5

(END OF REPORT)