

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: P1505532

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505532
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 (3500K_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

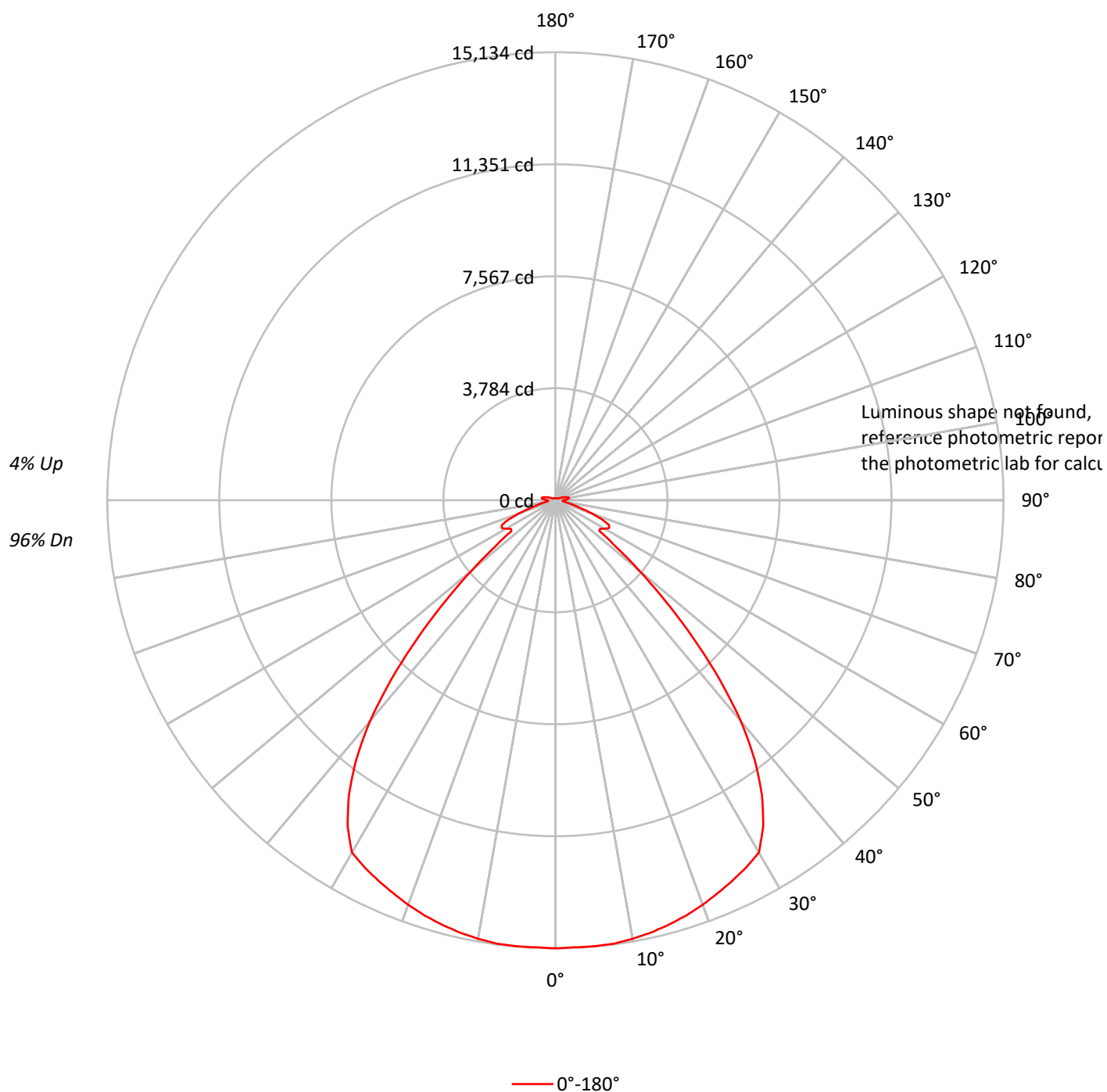
Lumens per Lamp: N/A
Luminaire Lumens: 30915.9 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196.1
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



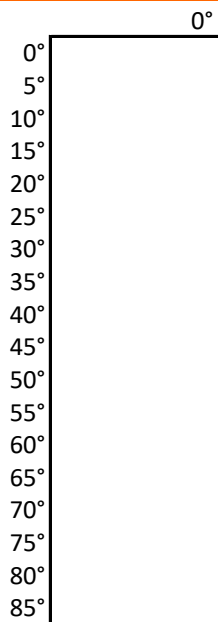
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1441.4	4.7
10°-20°	4194.2	13.6
20°-30°	6543.6	21.2
30°-40°	7494.2	24.2
40°-50°	5065.3	16.4
50°-60°	1994.2	6.5
60°-70°	1828.6	5.9
70°-80°	750.0	2.4
80°-90°	287.3	0.9
90°-100°	430.3	1.4
100°-110°	412.0	1.3
110°-120°	198.1	0.6
120°-130°	91.3	0.3
130°-140°	70.0	0.2
140°-150°	53.6	0.2
150°-160°	35.8	0.1
160°-170°	20.1	0.1
170°-180°	6.1	0.0
0°-30°	12179.1	39.4
0°-40°	19673.3	63.6
0°-60°	26732.8	86.5
0°-90°	29598.7	95.7
90°-120°	1040.3	3.4
90°-150°	1255.3	4.1
90°-180°	1317.0	4.3
0°-180°	30915.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15134	
5°	15126	###
15°	14837	4194
25°	14168	6544
35°	12162	7494
45°	6564	5065
55°	1814	1994
65°	2000	1829
75°	642	750
85°	239	217
90°	273	154
95°	410	347
105°	393	412
115°	192	198
125°	97	91
135°	91	70
145°	85	54
155°	77	36
165°	70	20
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15134
2.5°	15116
5°	15126
7.5°	15109
10°	15040
12.5°	14954
15°	14837
17.5°	14704
20°	14542
22.5°	14355
25°	14168
27.5°	13975
30°	13742
32.5°	13061
35°	12162
37.5°	11060
40°	9751
42.5°	8196
45°	6564
47.5°	5035
50°	3659
52.5°	2562
55°	1814
57.5°	1788
60°	1924
62.5°	2041
65°	2000
67.5°	1723
70°	1316
72.5°	921
75°	642
77.5°	460
80°	338
82.5°	268
85°	239
87.5°	241
90°	273
92.5°	337
95°	410
97.5°	460
100°	470
102.5°	442
105°	393
107.5°	341
110°	288

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	238
115°	192
117.5°	156
120°	128
122.5°	109
125°	97
127.5°	91
130°	89
132.5°	89
135°	91
137.5°	92
140°	91
142.5°	88
145°	85
147.5°	82
150°	80
152.5°	78
155°	77
157.5°	76
160°	75
162.5°	73
165°	70
167.5°	68
170°	65
172.5°	63
175°	65
177.5°	65
180°	65

(END OF REPORT)