

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: P1505217

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505217
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-114)
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-A-06-TRWH-PS (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

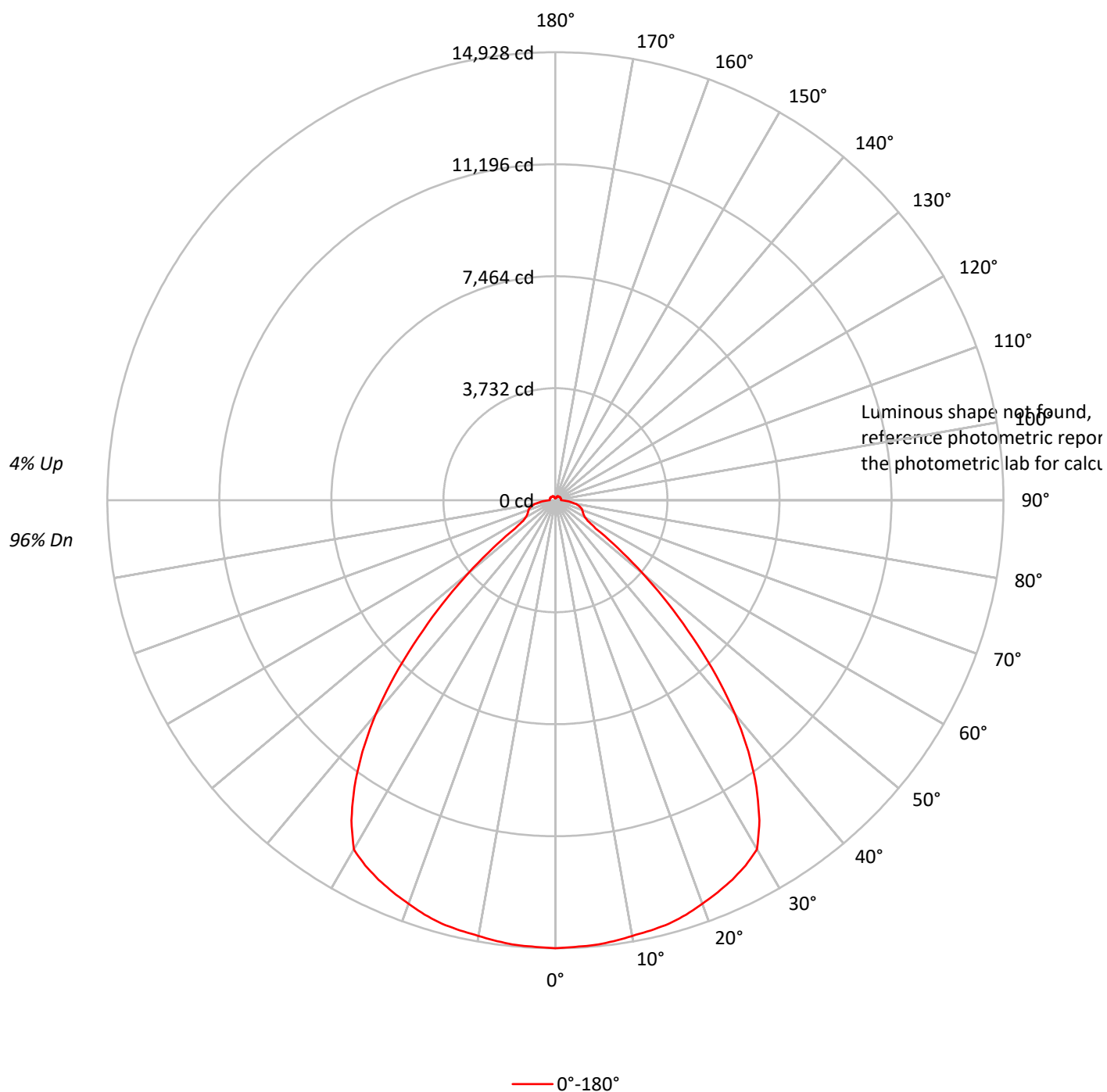
Lumens per Lamp: N/A
Luminaire Lumens: 29380.6 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 196.5
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





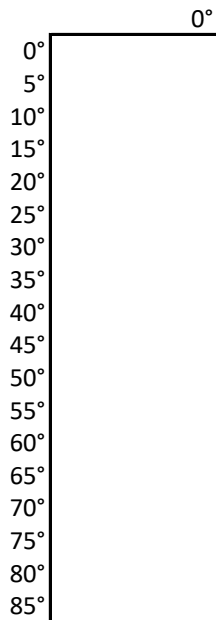
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	96	90	86	100	94	89	84	90	85	82	86	82	79	82	80	77	77	77	77	77	75			
3	95	87	80	75	93	85	79	74	81	76	72	78	74	70	76	72	69	69	69	69	69	67			
4	89	79	71	66	86	77	70	65	74	69	64	72	67	63	69	65	62	62	62	62	62	60			
5	83	72	64	59	80	70	63	58	68	62	57	66	61	56	64	59	55	55	55	55	55	54			
6	77	66	58	53	75	65	57	52	63	56	52	61	55	51	59	54	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	58	51	47	56	50	46	54	49	46	46	46	46	46	44			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	45	42	42	42	42	42	40			
9	63	52	44	39	62	51	44	39	49	43	39	48	43	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	35	35	35	35	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°	1415.7	4.8
10°-20°	4125.2	14.0
20°-30°	6431.3	21.9
30°-40°	7215.2	24.6
40°-50°	4980.5	17.0
50°-60°	1770.4	6.0
60°-70°	1019.4	3.5
70°-80°	884.8	3.0
80°-90°	467.3	1.6
90°-100°	202.9	0.7
100°-110°	199.0	0.7
110°-120°	183.2	0.6
120°-130°	158.5	0.5
130°-140°	129.2	0.4
140°-150°	99.4	0.3
150°-160°	63.6	0.2
160°-170°	28.1	0.1
170°-180°	6.8	0.0
0°-30°	11972.2	40.7
0°-40°	19187.4	65.3
0°-60°	25938.3	88.3
0°-90°	28309.8	96.4
90°-120°	585.1	2.0
90°-150°	972.3	3.3
90°-180°	1071.0	3.6
0°-180°	29380.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14928	
5°	14879	###
15°	14610	4125
25°	13948	6431
35°	11679	7215
45°	6449	4980
55°	1638	1770
65°	1018	1019
75°	850	885
85°	427	401
90°	186	117
95°	186	152
105°	188	199
115°	185	183
125°	177	159
135°	167	129
145°	158	99
155°	137	64
165°	96	28
175°	67	7
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14928
2.5°	14898
5°	14879
7.5°	14822
10°	14740
12.5°	14681
15°	14610
17.5°	14480
20°	14310
22.5°	14139
25°	13948
27.5°	13721
30°	13432
32.5°	12650
35°	11679
37.5°	10561
40°	9317
42.5°	7921
45°	6449
47.5°	5104
50°	3791
52.5°	2621
55°	1638
57.5°	1269
60°	1145
62.5°	1063
65°	1018
67.5°	983
70°	952
72.5°	910
75°	850
77.5°	775
80°	677
82.5°	556
85°	427
87.5°	301
90°	186
92.5°	184
95°	186
97.5°	187
100°	188
102.5°	189
105°	188
107.5°	188
110°	187

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	186
115°	185
117.5°	183
120°	181
122.5°	179
125°	177
127.5°	174
130°	172
132.5°	169
135°	167
137.5°	164
140°	162
142.5°	160
145°	158
147.5°	157
150°	153
152.5°	146
155°	137
157.5°	127
160°	118
162.5°	107
165°	96
167.5°	87
170°	80
172.5°	72
175°	67
177.5°	64
180°	64

(END OF REPORT)