

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: P1505226

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505226
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 (4000K_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

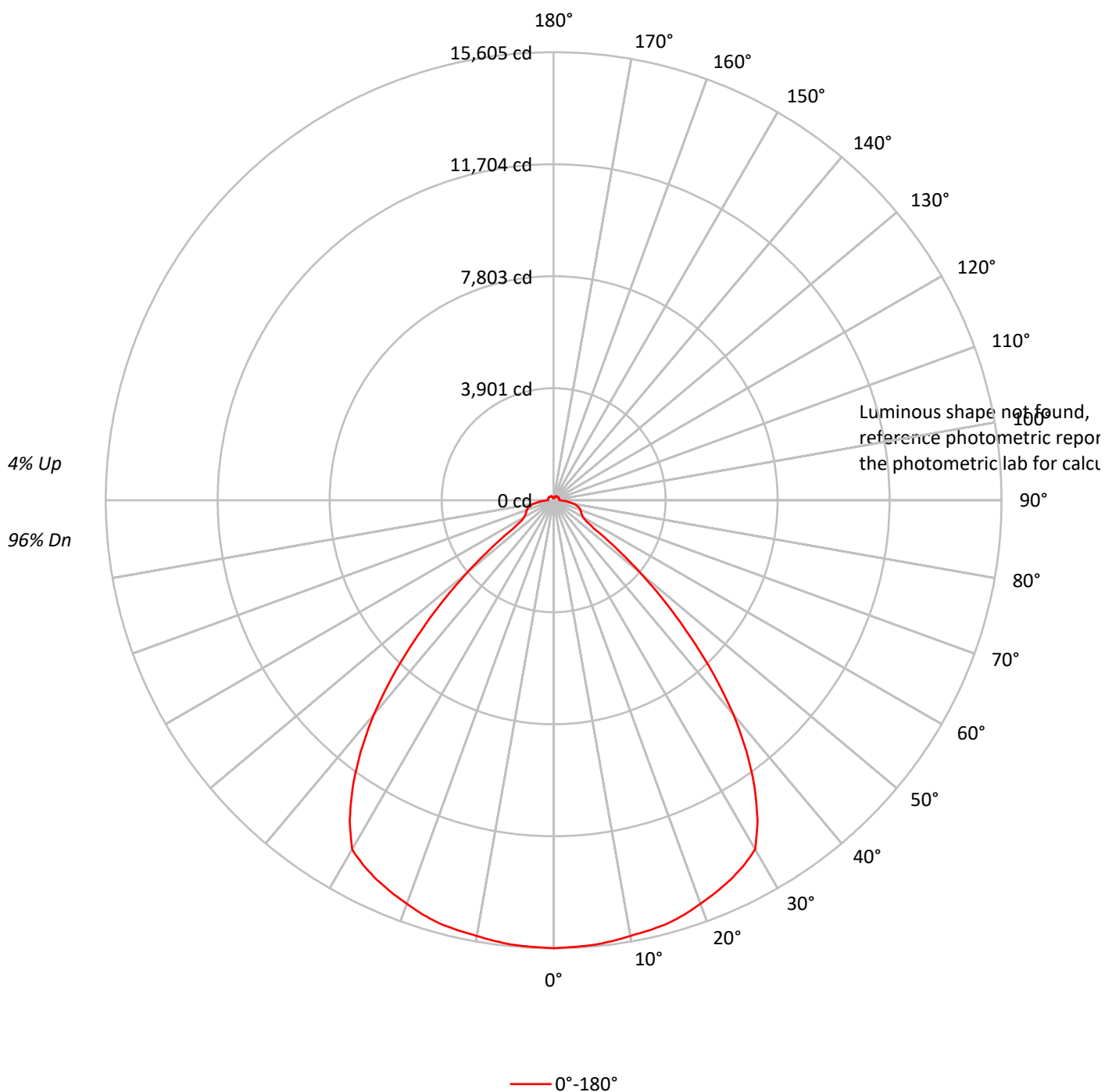
Lumens per Lamp: N/A
Luminaire Lumens: 30713.8 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.23
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





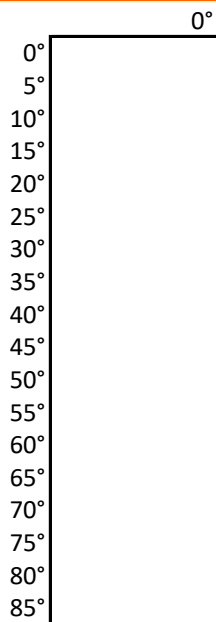
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1480.0	4.8
10°-20°	4312.4	14.0
20°-30°	6723.1	21.9
30°-40°	7542.6	24.6
40°-50°	5206.4	17.0
50°-60°	1850.7	6.0
60°-70°	1065.6	3.5
70°-80°	925.0	3.0
80°-90°	488.5	1.6
90°-100°	212.1	0.7
100°-110°	208.0	0.7
110°-120°	191.5	0.6
120°-130°	165.7	0.5
130°-140°	135.1	0.4
140°-150°	104.0	0.3
150°-160°	66.5	0.2
160°-170°	29.4	0.1
170°-180°	7.1	0.0
0°-30°	12515.5	40.7
0°-40°	20058.1	65.3
0°-60°	27115.3	88.3
0°-90°	29594.4	96.4
90°-120°	611.6	2.0
90°-150°	1016.4	3.3
90°-180°	1119.0	3.6
0°-180°	30713.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15605	
5°	15554	###
15°	15273	4312
25°	14581	6723
35°	12209	7543
45°	6742	5206
55°	1712	1851
65°	1064	1066
75°	889	925
85°	446	419
90°	194	123
95°	194	159
105°	196	208
115°	193	191
125°	185	166
135°	175	135
145°	165	104
155°	143	66
165°	100	29
175°	70	7
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15605.4
2.5°	15574.1
5°	15554.2
7.5°	15494.6
10°	15408.9
12.5°	15347.2
15°	15273.0
17.5°	15137.1
20°	14959.4
22.5°	14780.6
25°	14580.9
27.5°	14343.6
30°	14041.5
32.5°	13224.0
35°	12209.0
37.5°	11040.2
40°	9739.8
42.5°	8280.4
45°	6741.6
47.5°	5335.6
50°	3963.0
52.5°	2739.9
55°	1712.3
57.5°	1326.6
60°	1197.0
62.5°	1111.2
65°	1064.2
67.5°	1027.6
70°	995.2
72.5°	951.3
75°	888.6
77.5°	810.2
80°	707.7
82.5°	581.2
85°	446.4
87.5°	314.7
90°	194.4
92.5°	192.3
95°	194.4
97.5°	195.5
100°	196.5
102.5°	197.6
105°	196.5
107.5°	196.5
110°	195.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	194.4
115°	193.4
117.5°	191.3
120°	189.2
122.5°	187.1
125°	185.0
127.5°	181.9
130°	179.8
132.5°	176.7
135°	174.6
137.5°	171.4
140°	169.4
142.5°	167.3
145°	165.2
147.5°	164.1
150°	159.9
152.5°	152.6
155°	143.2
157.5°	132.8
160°	123.4
162.5°	111.9
165°	100.4
167.5°	90.9
170°	83.6
172.5°	75.3
175°	70.0
177.5°	66.9
180°	66.9

(END OF REPORT)