

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: P1505172

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505172
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-108)
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-CLER-PS (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

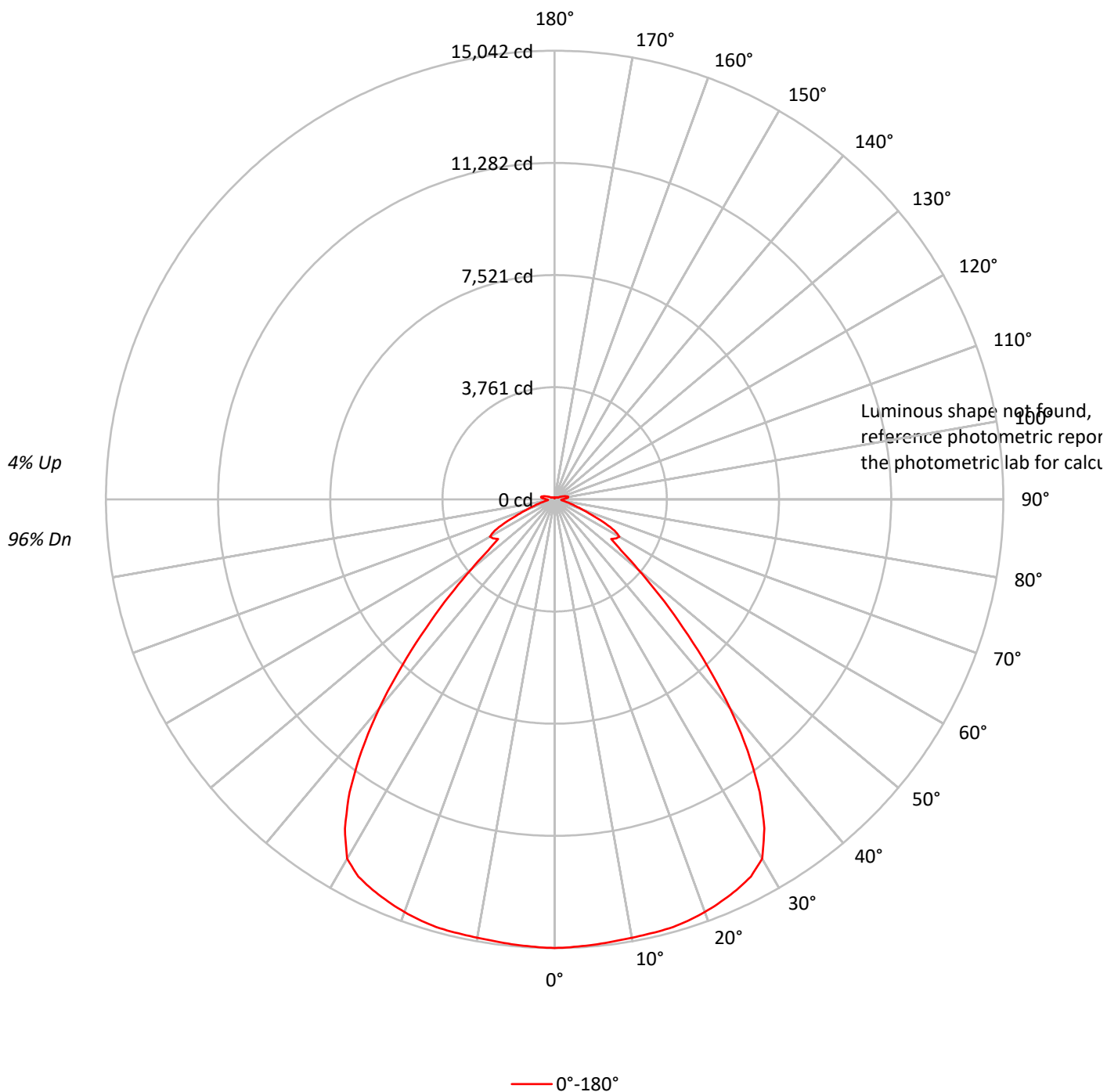
Lumens per Lamp: N/A
Luminaire Lumens: 30719.2 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

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





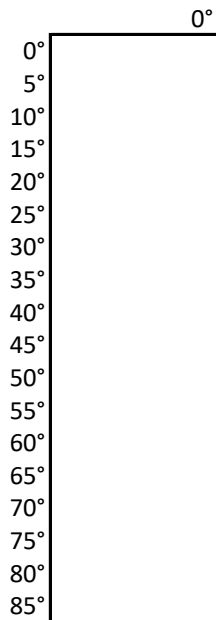
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	98	98	98	98	98	96		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	87	85		
2	102	96	90	86	99	93	88	84	89	85	82	86	82	79	82	79	77	77	77	77	77	77	75		
3	95	86	80	74	92	84	78	73	81	76	72	78	74	70	75	71	68	68	68	68	68	68	66		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	69	64	61	61	61	61	61	61	59		
5	82	71	63	58	80	70	63	57	67	61	56	65	60	55	63	58	55	55	55	55	55	55	53		
6	76	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	49	49	49	49	49	47		
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	45	45	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	41	41	41	41	39		
9	63	51	44	39	61	50	43	38	49	42	38	47	42	38	46	41	37	37	37	37	37	37	36		
10	59	47	40	35	58	47	40	35	45	39	35	44	39	35	43	38	34	34	34	34	34	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°	1428.6	4.7
10°-20°	4209.5	13.7
20°-30°	6656.3	21.7
30°-40°	7358.3	24.0
40°-50°	4749.6	15.5
50°-60°	2375.1	7.7
60°-70°	1754.6	5.7
70°-80°	612.1	2.0
80°-90°	268.6	0.9
90°-100°	413.8	1.3
100°-110°	417.4	1.4
110°-120°	202.6	0.7
120°-130°	93.0	0.3
130°-140°	68.7	0.2
140°-150°	52.8	0.2
150°-160°	35.6	0.1
160°-170°	18.0	0.1
170°-180°	4.7	0.0
0°-30°	12294.4	40.0
0°-40°	19652.7	64.0
0°-60°	26777.4	87.2
0°-90°	29412.6	95.7
90°-120°	1033.7	3.4
90°-150°	1248.3	4.1
90°-180°	1307.0	4.3
0°-180°	30719.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15042	
5°	14989	###
15°	14886	4210
25°	14445	6656
35°	11983	7358
45°	6091	4750
55°	2313	2375
65°	1794	1755
75°	554	612
85°	222	201
90°	262	147
95°	388	334
105°	401	417
115°	196	203
125°	99	93
135°	89	69
145°	84	53
155°	77	36
165°	63	18
175°	47	5
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15042
2.5°	15017
5°	14989
7.5°	14953
10°	14923
12.5°	14903
15°	14886
17.5°	14825
20°	14724
22.5°	14595
25°	14445
27.5°	14255
30°	13909
32.5°	13084
35°	11983
37.5°	10628
40°	9157
42.5°	7578
45°	6091
47.5°	4765
50°	3645
52.5°	2802
55°	2313
57.5°	2438
60°	2504
62.5°	2271
65°	1794
67.5°	1318
70°	957
72.5°	720
75°	554
77.5°	415
80°	312
82.5°	248
85°	222
87.5°	228
90°	262
92.5°	322
95°	388
97.5°	445
100°	464
102.5°	443
105°	401
107.5°	351
110°	297

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	244
115°	196
117.5°	158
120°	131
122.5°	112
125°	99
127.5°	92
130°	89
132.5°	89
135°	89
137.5°	89
140°	87
142.5°	85
145°	84
147.5°	83
150°	81
152.5°	79
155°	77
157.5°	75
160°	71
162.5°	67
165°	63
167.5°	58
170°	54
172.5°	50
175°	47
177.5°	45
180°	45

(END OF REPORT)