

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: P1505346

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505346
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Wide_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

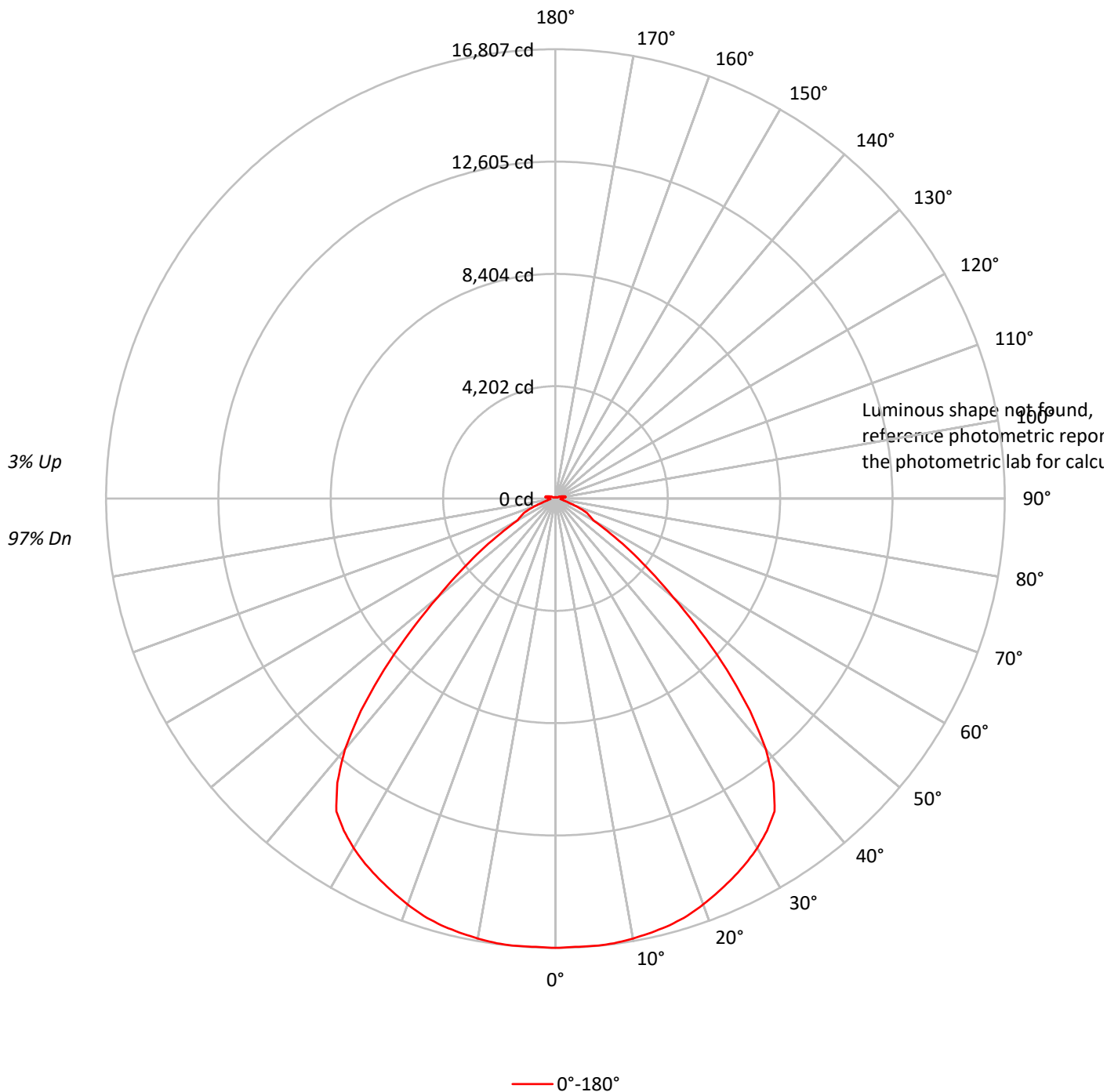
Lumens per Lamp: N/A
Luminaire Lumens: 35329.7 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 237.6
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



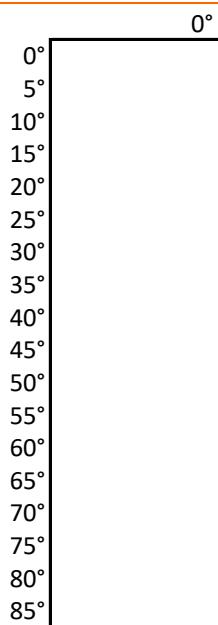
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	104	104	99	99	99	99	99	97
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	89	89	87
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	79	76
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	70	68
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	62	62	60
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	55	54
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	50	48
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	45	43
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	37	36
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1601.0	4.5
10°-20°	4666.5	13.2
20°-30°	7232.9	20.5
30°-40°	8773.9	24.8
40°-50°	6933.6	19.6
50°-60°	3113.1	8.8
60°-70°	1256.5	3.6
70°-80°	467.4	1.3
80°-90°	221.5	0.6
90°-100°	352.9	1.0
100°-110°	345.9	1.0
110°-120°	162.5	0.5
120°-130°	67.6	0.2
130°-140°	48.4	0.1
140°-150°	39.0	0.1
150°-160°	27.0	0.1
160°-170°	15.2	0.0
170°-180°	4.7	0.0
0°-30°	13500.4	38.2
0°-40°	22274.3	63.0
0°-60°	32321.0	91.5
0°-90°	34266.4	97.0
90°-120°	861.3	2.4
90°-150°	1016.3	2.9
90°-180°	1063.0	3.0
0°-180°	35329.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16807	
5°	16799	###
15°	16523	4666
25°	15674	7233
35°	14288	8774
45°	9065	6934
55°	3409	3113
65°	1321	1257
75°	397	467
85°	185	165
90°	220	125
95°	337	285
105°	334	346
115°	158	163
125°	72	68
135°	62	48
145°	61	39
155°	58	27
165°	53	15
175°	50	5
180°	51	

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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (3000K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	16806.6
2.5°	16789.6
5°	16798.7
7.5°	16782.8
10°	16709.0
12.5°	16625.1
15°	16523.0
17.5°	16373.2
20°	16161.1
22.5°	15920.6
25°	15674.4
27.5°	15404.4
30°	15096.9
32.5°	14727.1
35°	14288.0
37.5°	13398.6
40°	12241.4
42.5°	10767.6
45°	9064.7
47.5°	7343.7
50°	5754.2
52.5°	4476.8
55°	3409.2
57.5°	2447.1
60°	1651.8
62.5°	1461.2
65°	1320.6
67.5°	1078.9
70°	795.3
72.5°	549.1
75°	397.1
77.5°	308.6
80°	245.1
82.5°	204.2
85°	184.9
87.5°	190.6
90°	220.1
92.5°	278.0
95°	336.9
97.5°	376.7
100°	385.7
102.5°	367.6
105°	333.5
107.5°	290.4
110°	242.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	198.5
115°	157.7
117.5°	123.7
120°	99.8
122.5°	82.8
125°	71.5
127.5°	64.7
130°	62.4
132.5°	61.3
135°	62.4
137.5°	63.5
140°	63.5
142.5°	63.5
145°	61.3
147.5°	61.3
150°	60.1
152.5°	59.0
155°	57.9
157.5°	57.9
160°	56.7
162.5°	55.6
165°	53.3
167.5°	51.1
170°	48.8
172.5°	48.8
175°	49.9
177.5°	51.1
180°	51.1

(END OF REPORT)