

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: P1505547

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505547
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: Pentalux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-06-CLER-PS (5000K_L24_Wide_120V)
Description: Pentalux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

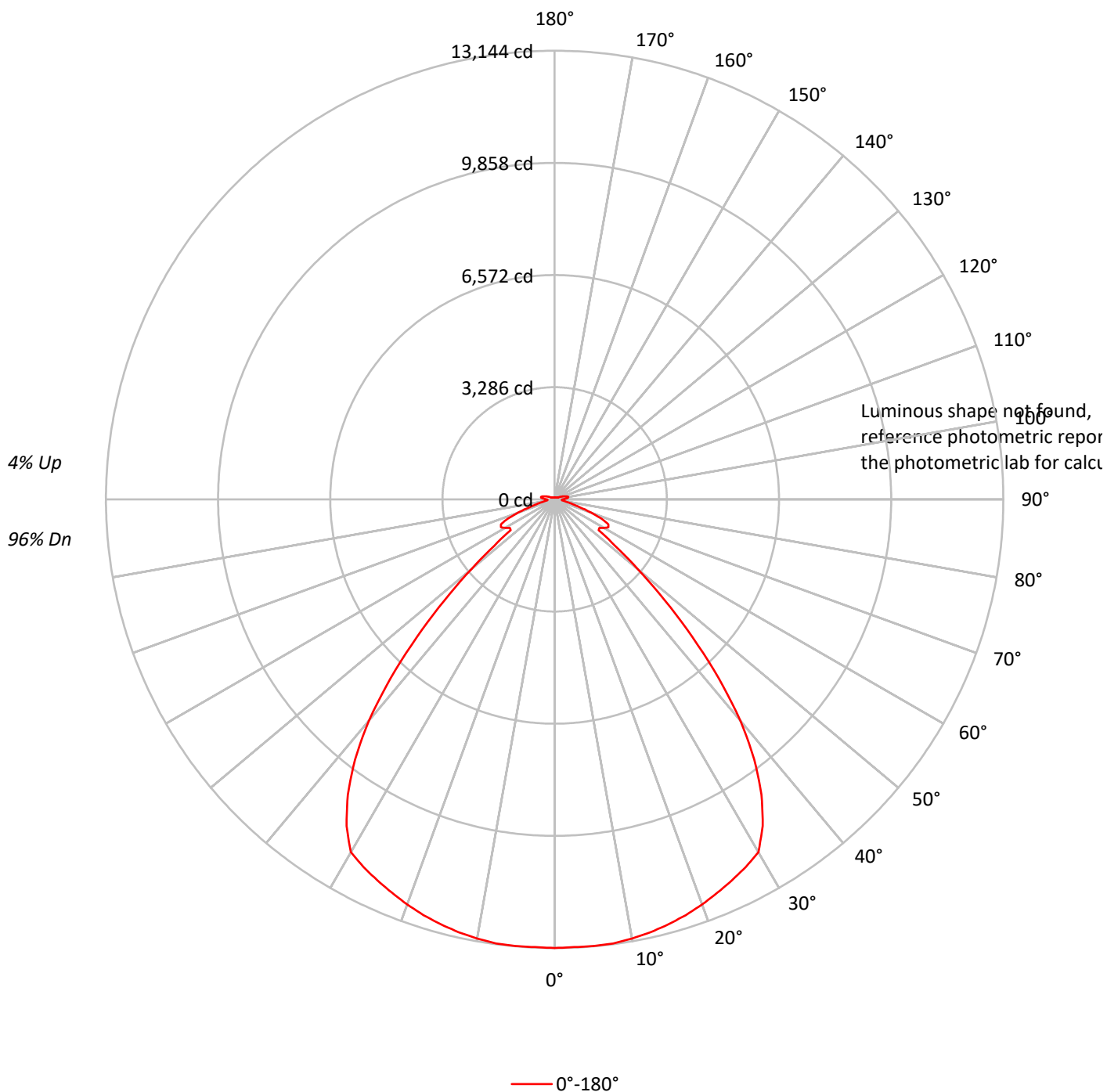
Lumens per Lamp: N/A
Luminaire Lumens: 26850.4 lumens
Efficiency: N/A
Efficacy: 171.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.24
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

Input Watts (W): 156.4
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	98	98	98	98	98	96			
1	110	106	103	100	107	104	100	98	99	96	94	94	92	90	90	88	87	87	87	87	87	87	85			
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	77	77	77	77	77	75			
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	68	68	68	68	68	66			
4	88	78	71	65	86	76	70	64	74	68	63	71	66	62	68	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	54	54	54	54	54	54	52			
6	76	65	57	52	74	64	57	51	62	55	50	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	53	48	44	44	44	44	44	44	43			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	41	41	41	41	41	41	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	37	37	37	37	37	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	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°	1251.8	4.7
10°-20°	3642.7	13.6
20°-30°	5683.0	21.2
30°-40°	6508.7	24.2
40°-50°	4399.2	16.4
50°-60°	1732.0	6.5
60°-70°	1588.1	5.9
70°-80°	651.4	2.4
80°-90°	249.5	0.9
90°-100°	373.7	1.4
100°-110°	357.8	1.3
110°-120°	172.0	0.6
120°-130°	79.3	0.3
130°-140°	60.8	0.2
140°-150°	46.6	0.2
150°-160°	31.1	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	10577.5	39.4
0°-40°	17086.2	63.6
0°-60°	23217.4	86.5
0°-90°	25706.4	95.7
90°-120°	903.6	3.4
90°-150°	1090.2	4.1
90°-180°	1144.0	4.3
0°-180°	26850.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13144	
5°	13137	###
15°	12886	3643
25°	12305	5683
35°	10563	6509
45°	5701	4399
55°	1576	1732
65°	1737	1588
75°	558	651
85°	208	188
90°	237	134
95°	356	301
105°	341	358
115°	167	172
125°	84	79
135°	79	61
145°	74	47
155°	67	31
165°	61	17
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13143.8
2.5°	13128.2
5°	13136.9
7.5°	13122.1
10°	13062.2
12.5°	12987.5
15°	12885.9
17.5°	12770.4
20°	12629.7
22.5°	12467.3
25°	12304.8
27.5°	12137.2
30°	11934.9
32.5°	11343.4
35°	10562.6
37.5°	9605.6
40°	8468.7
42.5°	7118.2
45°	5700.8
47.5°	4372.9
50°	3177.8
52.5°	2225.1
55°	1575.5
57.5°	1552.9
60°	1671.0
62.5°	1772.6
65°	1737.0
67.5°	1496.4
70°	1142.9
72.5°	799.9
75°	557.6
77.5°	399.5
80°	293.6
82.5°	232.8
85°	207.6
87.5°	209.3
90°	237.1
92.5°	292.7
95°	356.1
97.5°	399.5
100°	408.2
102.5°	383.9
105°	341.3
107.5°	296.2
110°	250.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	206.7
115°	166.8
117.5°	135.5
120°	111.2
122.5°	94.7
125°	84.2
127.5°	79.0
130°	77.3
132.5°	77.3
135°	79.0
137.5°	79.9
140°	79.0
142.5°	76.4
145°	73.8
147.5°	71.2
150°	69.5
152.5°	67.7
155°	66.9
157.5°	66.0
160°	65.1
162.5°	63.4
165°	60.8
167.5°	59.1
170°	56.5
172.5°	54.7
175°	56.5
177.5°	56.5
180°	56.5

(END OF REPORT)