

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: P1505497

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505497
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-116)
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-B-06-BLAK-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

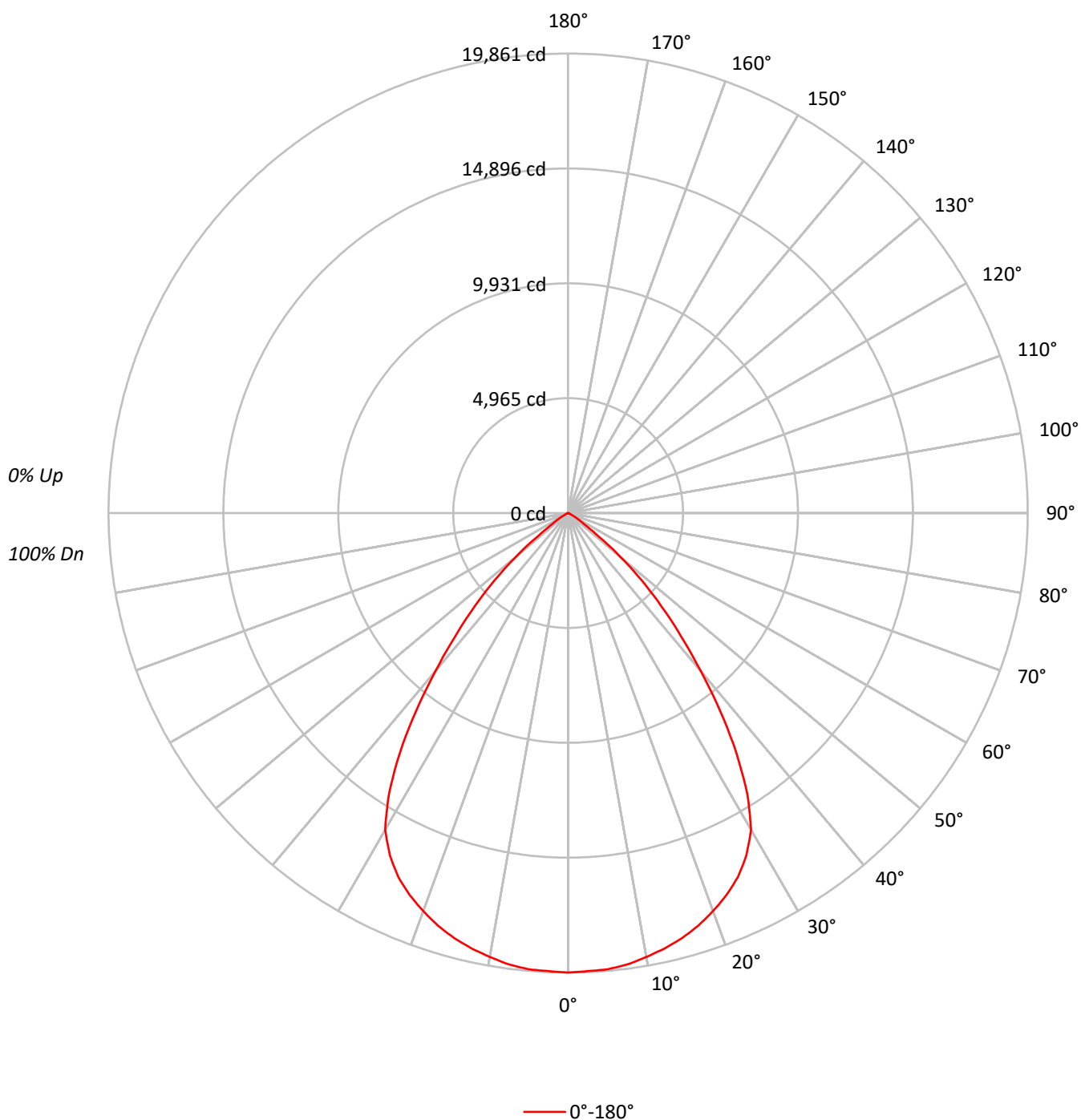
Lumens per Lamp: N/A
Luminaire Lumens: 28645.1 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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

TEST NUMBER: P1505497

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L36_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505497

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L36_Medium_120V)

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92							
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84							
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76							
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69							
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	63							
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58							
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53							
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49							
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45							
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126535
5°	126569
10°	126035
15°	125464
20°	124106
25°	122013
30°	116330
35°	98727
40°	74101
45°	51430
50°	29524
55°	9509
60°	4382
65°	1223
70°	790
75°	834
80°	888
85°	885

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51430 cd/sqm

TEST NUMBER: P1505497

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1879.2	6.6
10°-20°	5361.1	18.7
20°-30°	7948.5	27.7
30°-40°	7812.7	27.3
40°-50°	4427.4	15.5
50°-60°	1046.0	3.7
60°-70°	121.0	0.4
70°-80°	35.6	0.1
80°-90°	13.5	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15188.8	53.0
0°-40°	23001.5	80.3
0°-60°	28474.9	99.4
0°-90°	28645.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28645.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19861	
5°	19790	###
15°	19022	5361
25°	17357	7948
35°	12694	7813
45°	5708	4427
55°	856	1046
65°	81	121
75°	34	36
85°	12	14
90°	0	

TEST NUMBER: P1505497

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (4000K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19860.7
2.5°	19818.3
5°	19790.4
7.5°	19679.0
10°	19481.7
12.5°	19272.2
15°	19021.5
17.5°	18700.7
20°	18304.7
22.5°	17878.5
25°	17356.6
27.5°	16682.1
30°	15812.7
32.5°	14422.7
35°	12693.5
37.5°	10816.7
40°	8909.6
42.5°	7213.1
45°	5708.0
47.5°	4322.8
50°	2978.7
52.5°	1674.6
55°	856.1
57.5°	566.7
60°	343.9
62.5°	169.5
65°	81.1
67.5°	50.9
70°	42.4
72.5°	38.7
75°	33.9
77.5°	29.1
80°	24.2
82.5°	18.2
85°	12.1
87.5°	7.3
90°	0.0

(END OF REPORT)