

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: P1505500

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (5000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505500
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 (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

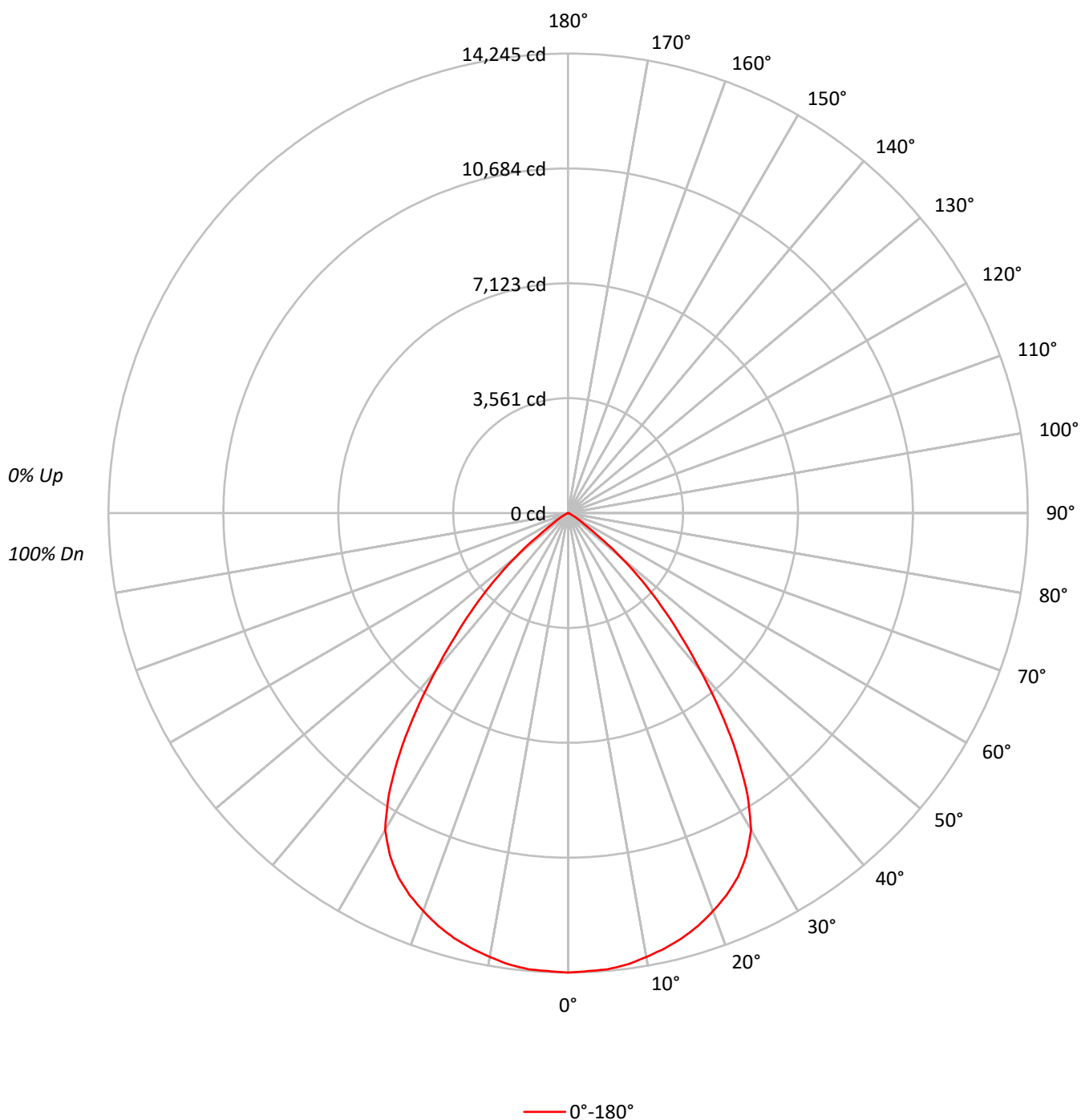
Lumens per Lamp: N/A
Luminaire Lumens: 20545.7 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.11
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

Input Watts (W): 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				
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°	90758
5°	90782
10°	90399
15°	89989
20°	89015
25°	87514
30°	83438
35°	70812
40°	53149
45°	36888
50°	21176
55°	6820
60°	3144
65°	877
70°	566
75°	598
80°	638
85°	636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1347.9	6.6
10°-20°	3845.3	18.7
20°-30°	5701.0	27.7
30°-40°	5603.7	27.3
40°-50°	3175.6	15.5
50°-60°	750.3	3.7
60°-70°	86.8	0.4
70°-80°	25.5	0.1
80°-90°	9.7	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°	10894.2	53.0
0°-40°	16497.8	80.3
0°-60°	20423.7	99.4
0°-90°	20545.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20545.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14245	
5°	14195	###
15°	13643	3845
25°	12449	5701
35°	9104	5604
45°	4094	3176
55°	614	750
65°	58	87
75°	24	26
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14245.1
2.5°	14214.7
5°	14194.7
7.5°	14114.8
10°	13973.2
12.5°	13823.0
15°	13643.2
17.5°	13413.0
20°	13129.0
22.5°	12823.3
25°	12449.0
27.5°	11965.3
30°	11341.7
32.5°	10344.7
35°	9104.4
37.5°	7758.3
40°	6390.4
42.5°	5173.6
45°	4094.1
47.5°	3100.5
50°	2136.5
52.5°	1201.1
55°	614.0
57.5°	406.5
60°	246.7
62.5°	121.6
65°	58.2
67.5°	36.5
70°	30.4
72.5°	27.8
75°	24.3
77.5°	20.8
80°	17.4
82.5°	13.0
85°	8.7
87.5°	5.2
90°	0.0

(END OF REPORT)