

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: P1505140

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505140
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-104)
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-BLAK-PS (5000K_L24_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

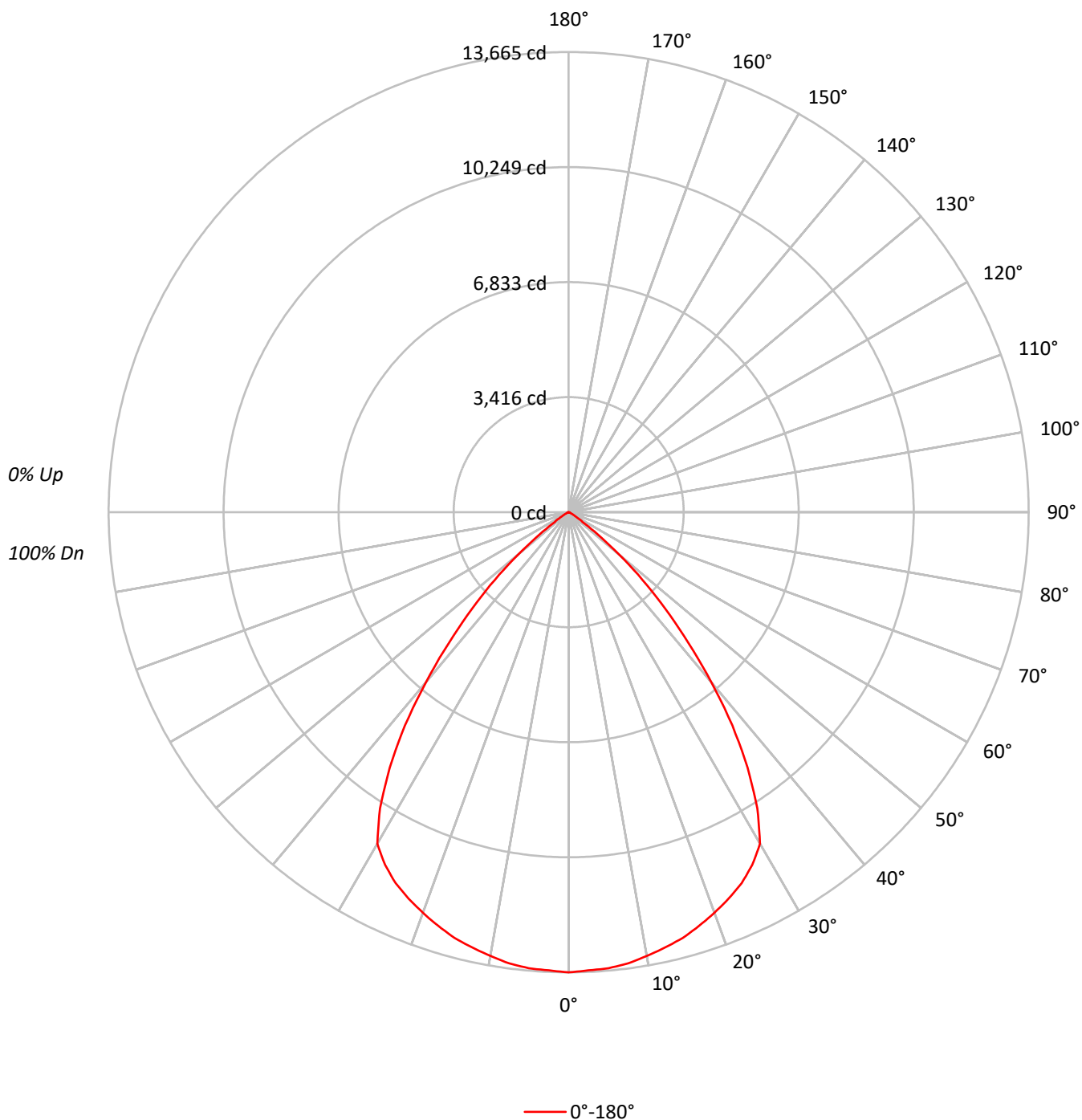
Lumens per Lamp: N/A
Luminaire Lumens: 20184.3 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.14
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1505140

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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	0		
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	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76		
4	94	85	79	74	92	84	78	73	82	77	73	80	75	72	78	74	71	69		
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63		
6	83	72	66	61	81	72	65	60	70	64	60	69	63	60	67	63	59	58		
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53		
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48		
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91158
5°	91029
10°	90629
15°	90403
20°	89875
25°	89471
30°	87544
35°	75410
40°	57404
45°	38182
50°	20433
55°	5819
60°	2595
65°	808
70°	610
75°	673
80°	734
85°	796

MAXIMUM LUMINANCE 45°-90°:

Luminance: 38182 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1290.8	6.4
10°-20°	3691.3	18.3
20°-30°	5583.3	27.7
30°-40°	5697.2	28.2
40°-50°	3158.3	15.6
50°-60°	652.9	3.2
60°-70°	72.3	0.4
70°-80°	27.3	0.1
80°-90°	10.9	0.1
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°	10565.5	52.3
0°-40°	16262.7	80.6
0°-60°	20073.8	99.5
0°-90°	20184.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20184.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13665	
5°	13594	###
15°	13090	3691
25°	12156	5583
35°	9260	5697
45°	4047	3158
55°	500	653
65°	51	72
75°	26	27
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13664.9
2.5°	13620.6
5°	13593.7
7.5°	13514.7
10°	13379.2
12.5°	13241.1
15°	13090.0
17.5°	12883.3
20°	12660.1
22.5°	12420.4
25°	12155.5
27.5°	11809.8
30°	11365.1
32.5°	10427.2
35°	9259.9
37.5°	7985.8
40°	6591.9
42.5°	5257.9
45°	4047.2
47.5°	2978.1
50°	1968.9
52.5°	1070.9
55°	500.3
57.5°	322.2
60°	194.5
62.5°	96.4
65°	51.2
67.5°	34.7
70°	31.3
72.5°	28.7
75°	26.1
77.5°	23.4
80°	19.1
82.5°	14.8
85°	10.4
87.5°	5.2
90°	0.0

(END OF REPORT)