

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221360

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221360
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

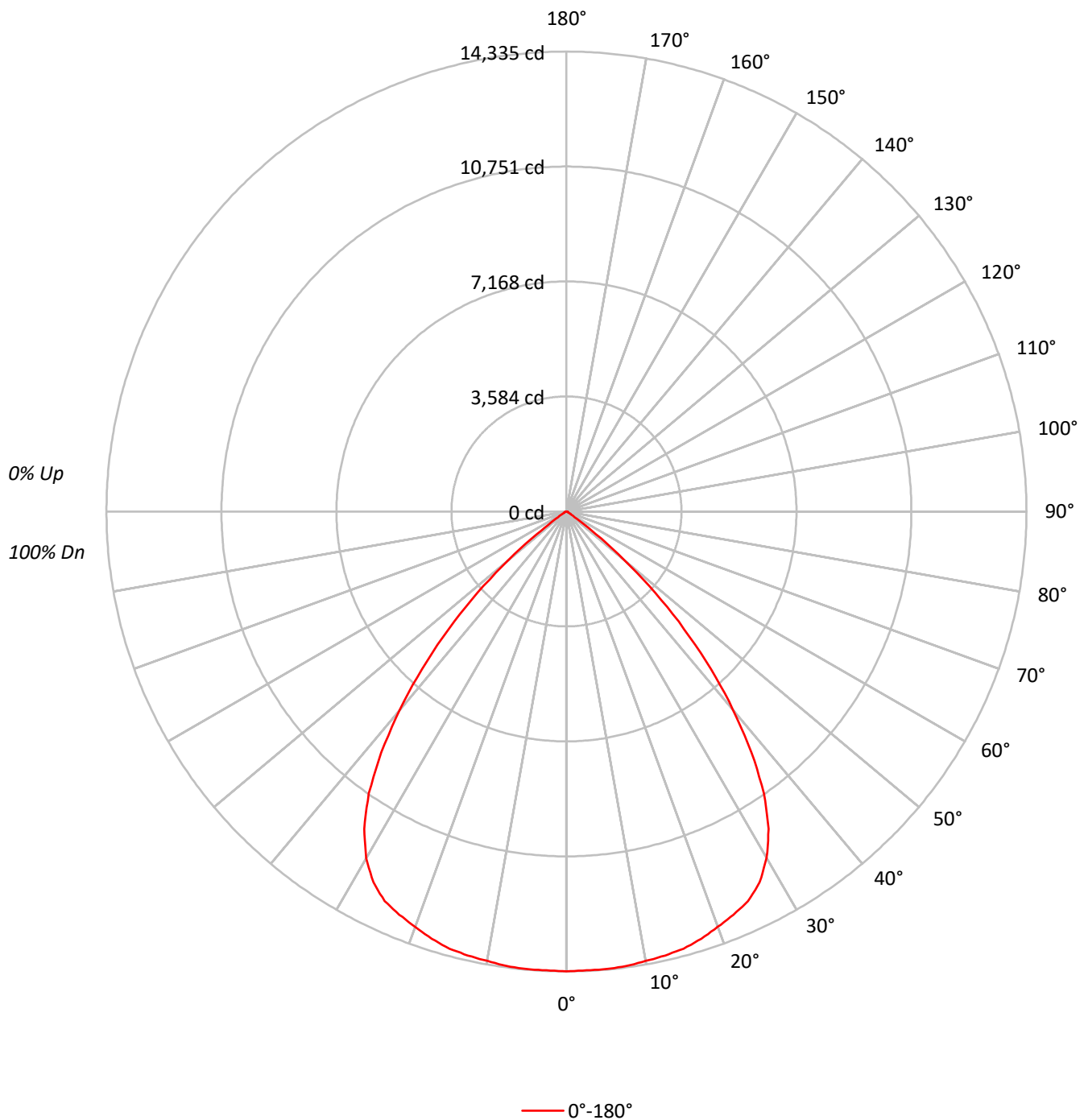
Lumens per Lamp: N/A
Luminaire Lumens: 22782.9 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.19
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.4
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
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	99	100	98	96	96	95	94	92		
2	106	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	92	86	82	97	91	85	81	88	84	80	86	82	79	83	80	77	76		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64	62		
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	58	57		
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52		
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48		
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44		
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82660
5°	78853
10°	75519
15°	72798
20°	69736
25°	66984
30°	62082
35°	53594
40°	40776
45°	26692
50°	12363
55°	2235
60°	538
65°	315
70°	297
75°	280
80°	238
85°	146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 26692 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1364.0	6.0
10°-20°	3980.2	17.5
20°-30°	6135.4	26.9
30°-40°	6574.4	28.9
40°-50°	3971.5	17.4
50°-60°	639.9	2.8
60°-70°	57.6	0.3
70°-80°	41.6	0.2
80°-90°	18.4	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°	11479.6	50.4
0°-40°	18054.0	79.2
0°-60°	22665.4	99.5
0°-90°	22782.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22782.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14335	
5°	14320	###
15°	14106	3980
25°	13400	6135
35°	10732	6574
45°	5188	3971
55°	408	640
65°	52	58
75°	40	42
85°	17	18
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14335
2.5°	14316
5°	14320
7.5°	14292
10°	14228
12.5°	14177
15°	14106
17.5°	13964
20°	13784
22.5°	13604
25°	13400
27.5°	13034
30°	12473
32.5°	11727
35°	10732
37.5°	9474
40°	8076
42.5°	6671
45°	5188
47.5°	3761
50°	2339
52.5°	1150
55°	408
57.5°	161
60°	94
62.5°	63
65°	52
67.5°	48
70°	46
72.5°	43
75°	40
77.5°	36
80°	31
82.5°	24
85°	17
87.5°	11
90°	0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.86	2.02	1.23	2.33	2.65	0.86	2.02	1.23	2.33	2.65
	3H	1.15	2.16	1.53	2.49	2.86	1.15	2.16	1.53	2.49	2.86
	4H	1.36	2.29	1.76	2.64	3.03	1.36	2.29	1.76	2.64	3.03
	6H	1.56	2.42	1.98	2.79	3.19	1.56	2.42	1.98	2.79	3.19
	8H	1.63	2.43	2.06	2.82	3.23	1.63	2.43	2.06	2.82	3.23
	12H	1.66	2.42	2.09	2.81	3.24	1.66	2.42	2.09	2.81	3.24
4H	2H	0.76	1.69	1.16	2.05	2.43	0.76	1.69	1.16	2.05	2.43
	3H	1.20	1.95	1.62	2.36	2.76	1.20	1.95	1.62	2.36	2.76
	4H	1.52	2.18	1.95	2.61	3.05	1.52	2.18	1.95	2.61	3.05
	6H	1.85	2.42	2.32	2.87	3.34	1.85	2.42	2.32	2.87	3.34
	8H	1.96	2.49	2.43	2.94	3.41	1.96	2.49	2.43	2.94	3.41
	12H	2.02	2.49	2.51	2.97	3.45	2.02	2.49	2.51	2.97	3.45
8H	4H	1.55	2.08	2.02	2.53	3.00	1.55	2.08	2.02	2.53	3.00
	6H	1.97	2.40	2.48	2.90	3.39	1.97	2.40	2.48	2.90	3.39
	8H	2.13	2.52	2.66	3.04	3.53	2.13	2.52	2.66	3.04	3.53
	12H	2.25	2.60	2.77	3.09	3.67	2.25	2.60	2.77	3.09	3.67
12H	4H	1.52	1.99	2.01	2.48	2.95	1.52	1.99	2.01	2.48	2.95
	6H	1.96	2.35	2.49	2.87	3.37	1.96	2.35	2.49	2.87	3.37
	8H	2.16	2.51	2.68	3.00	3.58	2.16	2.51	2.68	3.00	3.58