

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: P1221521

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221521
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

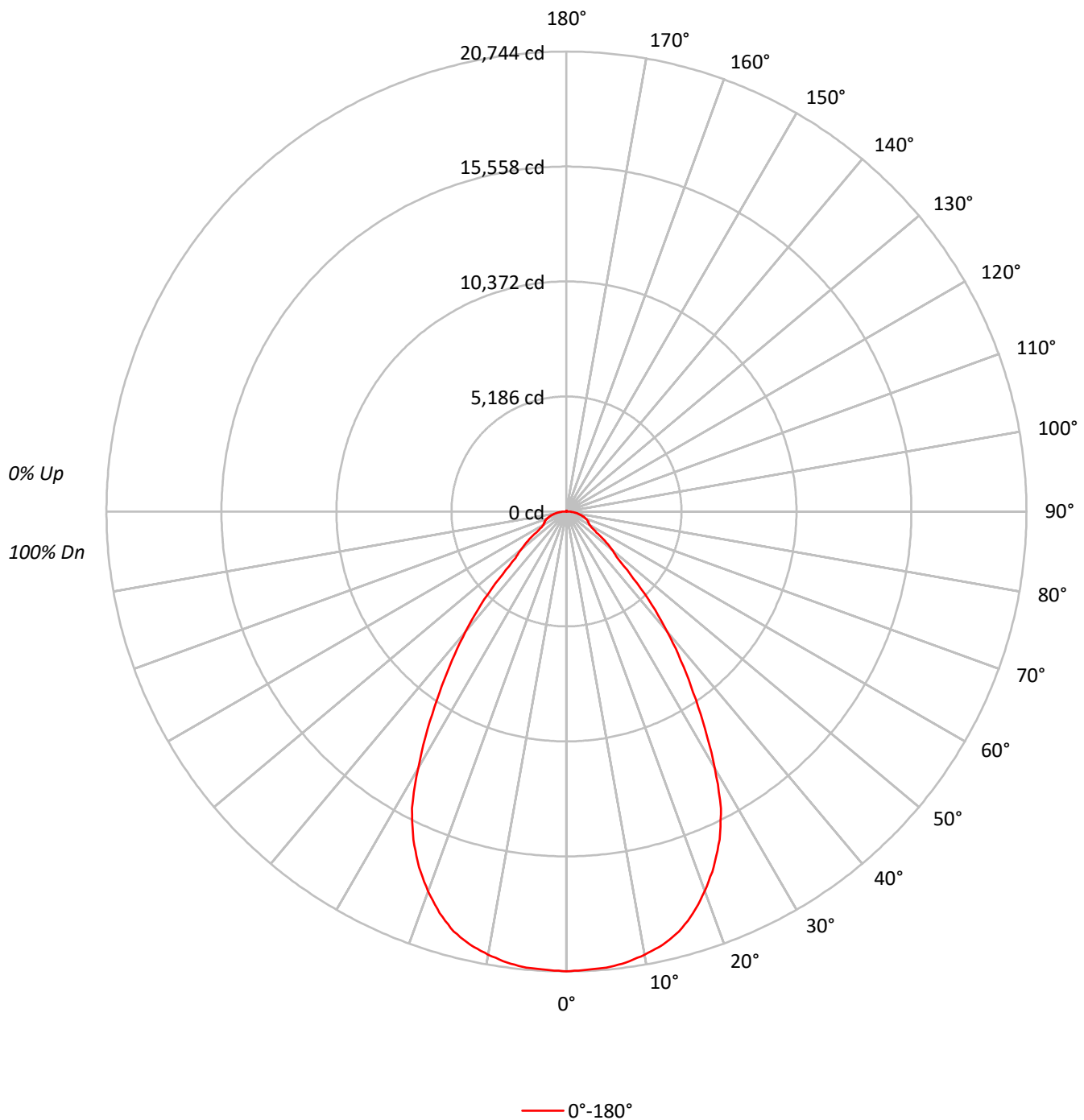
Lumens per Lamp: N/A
Luminaire Lumens: 28314.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	90	83	79	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	54		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	57	52	48	56	51	48	46		
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119614
5°	113749
10°	107758
15°	101253
20°	92217
25°	81652
30°	66671
35°	49772
40°	35733
45°	21975
50°	14108
55°	9058
60°	6880
65°	6506
70°	5948
75°	5074
80°	3896
85°	2263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21975 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1960.4	6.9
10°-20°	5491.7	19.4
20°-30°	7411.7	26.2
30°-40°	6253.0	22.1
40°-50°	3427.1	12.1
50°-60°	1585.3	5.6
60°-70°	1057.6	3.7
70°-80°	761.4	2.7
80°-90°	282.3	1.0
90°-100°	7.7	0.0
100°-110°	8.4	0.0
110°-120°	8.9	0.0
120°-130°	9.5	0.0
130°-140°	11.6	0.0
140°-150°	15.0	0.1
150°-160°	12.7	0.0
160°-170°	7.1	0.0
170°-180°	2.6	0.0
0°-30°	14863.8	52.5
0°-40°	21116.8	74.6
0°-60°	26129.3	92.3
0°-90°	28230.5	99.7
90°-120°	25.1	0.1
90°-150°	61.1	0.2
90°-180°	84.0	0.3
0°-180°	28314.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20744	
5°	20657	###
15°	19620	5492
25°	16334	7412
35°	9967	6253
45°	4271	3427
55°	1654	1585
65°	1075	1058
75°	725	761
85°	263	264
90°	7	21
95°	7	6
105°	8	8
115°	9	9
125°	10	9
135°	14	12
145°	24	15
155°	27	13
165°	25	7
175°	27	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20743.5
2.5°	20695.8
5°	20657.2
7.5°	20523.2
10°	20301.9
12.5°	20025.7
15°	19619.6
17.5°	19003.4
20°	18227.7
22.5°	17368.8
25°	16334.3
27.5°	15088.6
30°	13395.1
32.5°	11639.8
35°	9966.7
37.5°	8466.1
40°	7077.3
42.5°	5708.7
45°	4271.1
47.5°	3106.6
50°	2669.1
52.5°	2190.9
55°	1653.8
57.5°	1348.2
60°	1201.0
62.5°	1130.0
65°	1075.1
67.5°	1003.1
70°	919.8
72.5°	828.4
75°	724.9
77.5°	618.3
80°	506.6
82.5°	388.8
85°	262.9
87.5°	128.9
90°	7.1
92.5°	7.1
95°	7.1
97.5°	7.1
100°	7.1
102.5°	8.1
105°	8.1
107.5°	8.1
110°	8.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.1
115°	9.1
117.5°	9.1
120°	9.1
122.5°	10.2
125°	10.2
127.5°	11.2
130°	12.2
132.5°	13.2
135°	14.2
137.5°	17.3
140°	19.3
142.5°	21.3
145°	24.4
147.5°	26.4
150°	28.4
152.5°	28.4
155°	27.4
157.5°	26.4
160°	25.4
162.5°	24.4
165°	25.4
167.5°	25.4
170°	26.4
172.5°	26.4
175°	27.4
177.5°	28.4
180°	30.5

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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	14.92	16.15	15.29	16.47	16.80	14.92	16.15	15.29	16.47	16.80
	3H	16.77	17.88	17.16	18.21	18.59	16.77	17.88	17.16	18.21	18.59
	4H	17.50	18.52	17.91	18.88	19.27	17.50	18.52	17.91	18.88	19.27
	6H	18.02	18.96	18.44	19.34	19.74	18.02	18.96	18.44	19.34	19.74
	8H	18.17	19.07	18.61	19.46	19.88	18.17	19.07	18.61	19.46	19.88
	12H	18.25	19.11	18.69	19.50	19.94	18.25	19.11	18.69	19.50	19.94
4H	2H	15.41	16.44	15.82	16.80	17.19	15.41	16.44	15.82	16.80	17.19
	3H	17.48	18.33	17.90	18.74	19.15	17.48	18.33	17.90	18.74	19.15
	4H	18.32	19.08	18.76	19.50	19.95	18.32	19.08	18.76	19.50	19.95
	6H	18.95	19.61	19.42	20.06	20.54	18.95	19.61	19.42	20.06	20.54
	8H	19.15	19.76	19.62	20.21	20.69	19.15	19.76	19.62	20.21	20.69
	12H	19.26	19.80	19.76	20.29	20.78	19.26	19.80	19.76	20.29	20.78
8H	4H	18.55	19.16	19.03	19.62	20.10	18.55	19.16	19.03	19.62	20.10
	6H	19.29	19.79	19.80	20.30	20.79	19.29	19.79	19.80	20.30	20.79
	8H	19.55	20.00	20.08	20.52	21.02	19.55	20.00	20.08	20.52	21.02
	12H	19.73	20.13	20.25	20.63	21.21	19.73	20.13	20.25	20.63	21.21
12H	4H	18.56	19.10	19.05	19.59	20.07	18.56	19.10	19.05	19.59	20.07
	6H	19.32	19.77	19.85	20.29	20.79	19.32	19.77	19.85	20.29	20.79
	8H	19.63	20.02	20.15	20.52	21.10	19.63	20.02	20.15	20.52	21.10