

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: P1221522

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221522
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

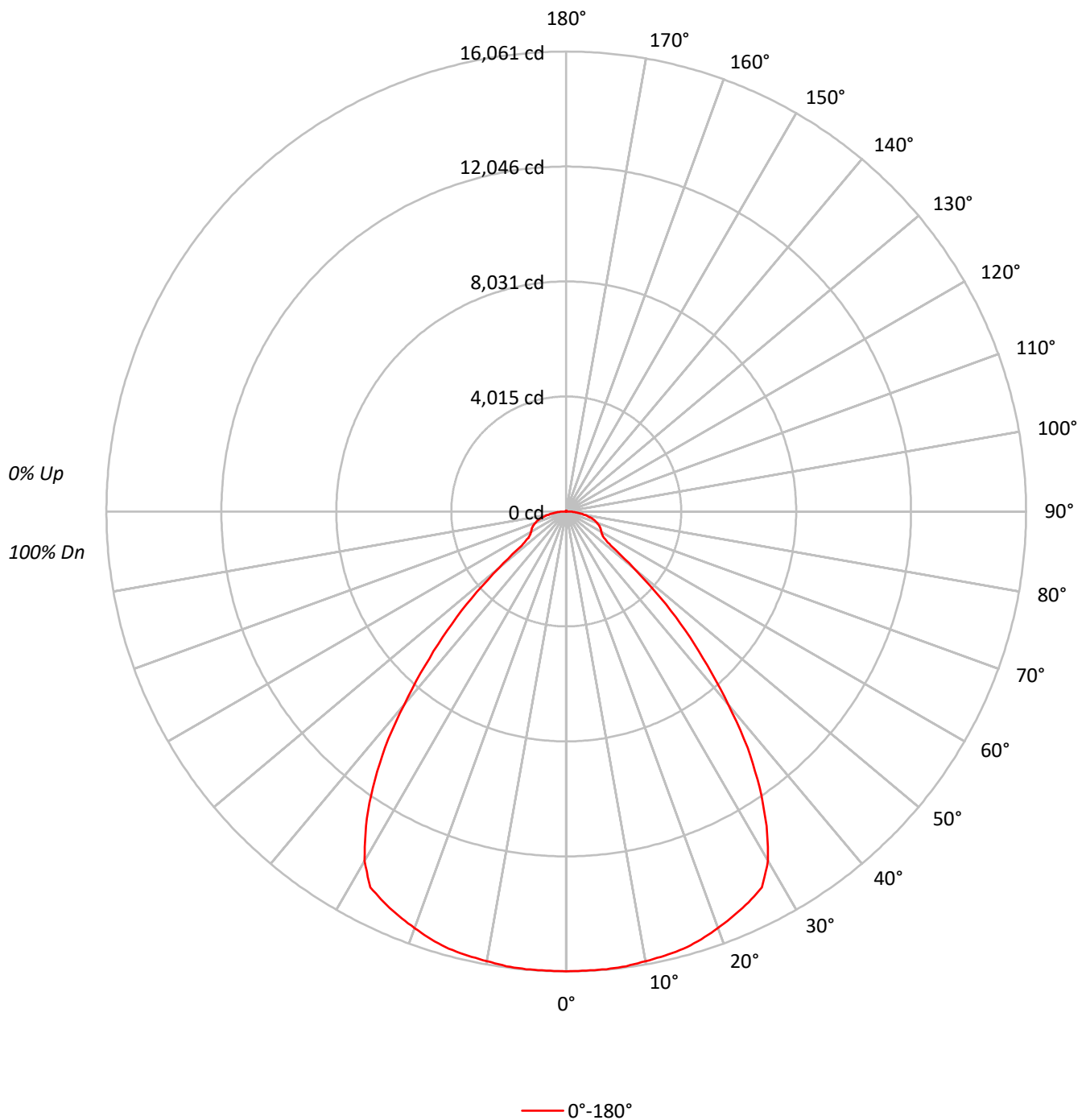
Lumens per Lamp: N/A
Luminaire Lumens: 28967.5 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92614
5°	88369
10°	84656
15°	81599
20°	78339
25°	75313
30°	70133
35°	58832
40°	44473
45°	30301
50°	16206
55°	8792
60°	8113
65°	7889
70°	7366
75°	6395
80°	4763
85°	2595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1528.8	5.3
10°-20°	4464.5	15.4
20°-30°	6920.5	23.9
30°-40°	7262.9	25.1
40°-50°	4508.8	15.6
50°-60°	1621.4	5.6
60°-70°	1282.1	4.4
70°-80°	949.8	3.3
80°-90°	332.2	1.1
90°-100°	9.9	0.0
100°-110°	10.6	0.0
110°-120°	11.1	0.0
120°-130°	11.9	0.0
130°-140°	13.4	0.0
140°-150°	16.1	0.1
150°-160°	13.9	0.0
160°-170°	7.2	0.0
170°-180°	2.5	0.0
0°-30°	12913.7	44.6
0°-40°	20176.6	69.7
0°-60°	26306.8	90.8
0°-90°	28870.8	99.7
90°-120°	31.7	0.1
90°-150°	73.1	0.3
90°-180°	97.0	0.3
0°-180°	28967.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16061	
5°	16048	###
15°	15811	4464
25°	15066	6920
35°	11781	7263
45°	5889	4509
55°	1605	1621
65°	1304	1282
75°	914	950
85°	302	311
90°	9	23
95°	9	7
105°	10	11
115°	11	11
125°	13	12
135°	17	13
145°	25	16
155°	30	14
165°	25	7
175°	25	2
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16061.2
2.5°	16047.0
5°	16048.0
7.5°	16017.5
10°	15949.5
12.5°	15889.6
15°	15811.4
17.5°	15672.3
20°	15484.5
22.5°	15285.5
25°	15066.2
27.5°	14808.4
30°	14090.6
32.5°	13023.6
35°	11780.9
37.5°	10402.2
40°	8808.3
42.5°	7290.5
45°	5889.4
47.5°	4481.3
50°	3066.0
52.5°	1952.3
55°	1605.1
57.5°	1483.3
60°	1416.3
62.5°	1362.5
65°	1303.6
67.5°	1229.5
70°	1139.1
72.5°	1034.5
75°	913.7
77.5°	771.6
80°	619.3
82.5°	461.9
85°	301.5
87.5°	143.1
90°	9.1
92.5°	9.1
95°	9.1
97.5°	9.1
100°	9.1
102.5°	10.2
105°	10.2
107.5°	10.2
110°	10.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.2
115°	11.2
117.5°	11.2
120°	12.2
122.5°	12.2
125°	13.2
127.5°	14.2
130°	15.2
132.5°	16.2
135°	17.3
137.5°	18.3
140°	20.3
142.5°	23.4
145°	25.4
147.5°	28.4
150°	31.5
152.5°	31.5
155°	30.5
157.5°	28.4
160°	26.4
162.5°	25.4
165°	25.4
167.5°	25.4
170°	25.4
172.5°	25.4
175°	25.4
177.5°	27.4
180°	28.4

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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	15.45	16.75	15.82	17.07	17.40	15.45	16.75	15.82	17.07	17.40
	3H	17.67	18.83	18.05	19.17	19.54	17.67	18.83	18.05	19.17	19.54
	4H	18.51	19.60	18.92	19.96	20.35	18.51	19.60	18.92	19.96	20.35
	6H	19.09	20.09	19.51	20.47	20.87	19.09	20.09	19.51	20.47	20.87
	8H	19.25	20.20	19.69	20.60	21.01	19.25	20.20	19.69	20.60	21.01
	12H	19.33	20.24	19.77	20.63	21.07	19.33	20.24	19.77	20.63	21.07
4H	2H	16.10	17.18	16.51	17.54	17.93	16.10	17.18	16.51	17.54	17.93
	3H	18.49	19.38	18.91	19.79	20.20	18.49	19.38	18.91	19.79	20.20
	4H	19.44	20.24	19.88	20.67	21.12	19.44	20.24	19.88	20.67	21.12
	6H	20.13	20.82	20.59	21.27	21.75	20.13	20.82	20.59	21.27	21.75
	8H	20.32	20.97	20.79	21.42	21.90	20.32	20.97	20.79	21.42	21.90
	12H	20.43	21.01	20.92	21.49	21.98	20.43	21.01	20.92	21.49	21.98
8H	4H	19.71	20.37	20.19	20.82	21.30	19.71	20.37	20.19	20.82	21.30
	6H	20.50	21.03	21.01	21.54	22.02	20.50	21.03	21.01	21.54	22.02
	8H	20.75	21.23	21.28	21.75	22.25	20.75	21.23	21.28	21.75	22.25
	12H	20.92	21.34	21.44	21.85	22.42	20.92	21.34	21.44	21.85	22.42
12H	4H	19.73	20.30	20.22	20.79	21.27	19.73	20.30	20.22	20.79	21.27
	6H	20.53	21.01	21.06	21.53	22.03	20.53	21.01	21.06	21.53	22.03
	8H	20.83	21.25	21.35	21.75	22.33	20.83	21.25	21.35	21.75	22.33

END OF REPORT