

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: P1221502

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221502
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
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 (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

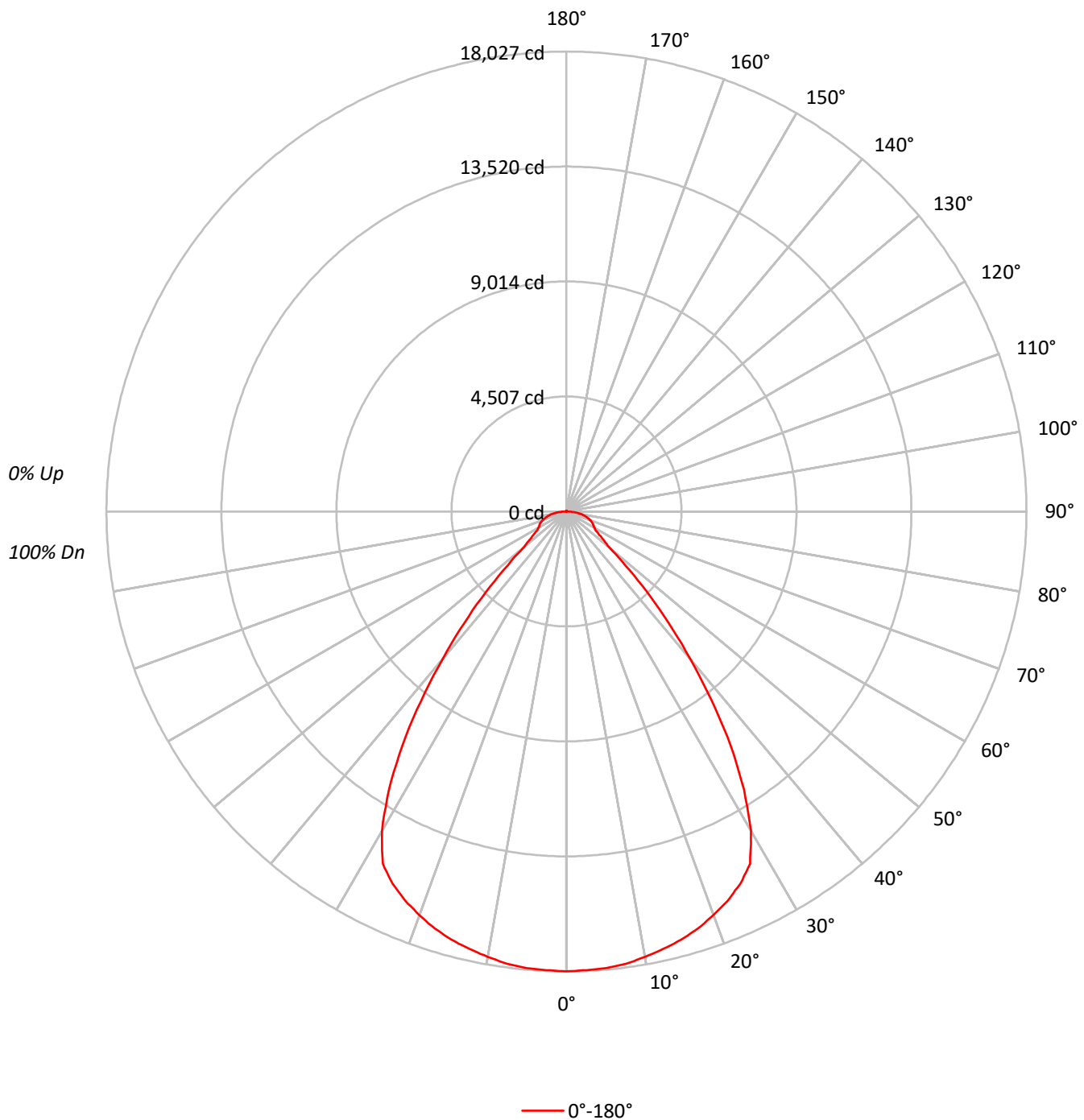
Lumens per Lamp: N/A
Luminaire Lumens: 28134.7 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	111	108	104	102	109	106	103	100	101	99	97	97	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	63	59	55	53		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103951
5°	98919
10°	94080
15°	89676
20°	85202
25°	80514
30°	71960
35°	56036
40°	38022
45°	22929
50°	11448
55°	8427
60°	7198
65°	6906
70°	6375
75°	5549
80°	4258
85°	2339

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22929 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1707.4	6.1
10°-20°	4903.1	17.4
20°-30°	7357.7	26.2
30°-40°	6907.0	24.5
40°-50°	3492.9	12.4
50°-60°	1431.4	5.1
60°-70°	1122.6	4.0
70°-80°	828.3	2.9
80°-90°	297.7	1.1
90°-100°	8.4	0.0
100°-110°	8.8	0.0
110°-120°	9.3	0.0
120°-130°	9.6	0.0
130°-140°	11.7	0.0
140°-150°	15.3	0.1
150°-160°	13.6	0.0
160°-170°	7.4	0.0
170°-180°	2.6	0.0
0°-30°	13968.2	49.6
0°-40°	20875.2	74.2
0°-60°	25799.4	91.7
0°-90°	28048.0	99.7
90°-120°	26.5	0.1
90°-150°	63.1	0.2
90°-180°	87.0	0.3
0°-180°	28134.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18027	
5°	17964	###
15°	17376	4903
25°	16107	7358
35°	11221	6907
45°	4456	3493
55°	1539	1431
65°	1141	1123
75°	793	828
85°	272	280
90°	8	20
95°	7	6
105°	8	9
115°	9	9
125°	10	10
135°	15	12
145°	24	15
155°	30	14
165°	26	7
175°	27	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18027.3
2.5°	17995.6
5°	17964.0
7.5°	17880.2
10°	17724.9
12.5°	17564.5
15°	17376.5
17.5°	17140.5
20°	16841.1
22.5°	16507.1
25°	16106.6
27.5°	15575.3
30°	14457.6
32.5°	12949.6
35°	11221.0
37.5°	9362.5
40°	7530.7
42.5°	5911.4
45°	4456.5
47.5°	3122.2
50°	2165.9
52.5°	1816.5
55°	1538.6
57.5°	1350.6
60°	1256.6
62.5°	1198.4
65°	1141.2
67.5°	1069.7
70°	985.9
72.5°	895.0
75°	792.8
77.5°	680.4
80°	553.7
82.5°	418.9
85°	271.8
87.5°	122.6
90°	8.2
92.5°	7.2
95°	7.2
97.5°	8.2
100°	8.2
102.5°	8.2
105°	8.2
107.5°	8.2
110°	9.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.2
115°	9.2
117.5°	9.2
120°	10.2
122.5°	10.2
125°	10.2
127.5°	11.2
130°	12.3
132.5°	13.3
135°	15.3
137.5°	16.3
140°	19.4
142.5°	21.5
145°	24.5
147.5°	27.6
150°	30.6
152.5°	30.6
155°	29.6
157.5°	28.6
160°	26.6
162.5°	25.5
165°	25.5
167.5°	26.6
170°	26.6
172.5°	26.6
175°	26.6
177.5°	27.6
180°	29.6

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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	14.96	16.21	15.33	16.53	16.85	14.96	16.21	15.33	16.53	16.85
	3H	17.02	18.12	17.40	18.46	18.84	17.02	18.12	17.40	18.46	18.84
	4H	17.82	18.85	18.23	19.21	19.60	17.82	18.85	18.23	19.21	19.60
	6H	18.40	19.35	18.82	19.72	20.13	18.40	19.35	18.82	19.72	20.13
	8H	18.56	19.46	19.00	19.86	20.27	18.56	19.46	19.00	19.86	20.27
	12H	18.64	19.51	19.08	19.90	20.33	18.64	19.51	19.08	19.90	20.33
4H	2H	15.54	16.57	15.95	16.93	17.32	15.54	16.57	15.95	16.93	17.32
	3H	17.78	18.63	18.20	19.05	19.46	17.78	18.63	18.20	19.05	19.46
	4H	18.70	19.46	19.14	19.89	20.34	18.70	19.46	19.14	19.89	20.34
	6H	19.39	20.05	19.86	20.50	20.98	19.39	20.05	19.86	20.50	20.98
	8H	19.59	20.21	20.07	20.66	21.14	19.59	20.21	20.07	20.66	21.14
	12H	19.70	20.25	20.20	20.74	21.22	19.70	20.25	20.20	20.74	21.22
8H	4H	18.96	19.58	19.43	20.03	20.51	18.96	19.58	19.43	20.03	20.51
	6H	19.76	20.26	20.26	20.77	21.25	19.76	20.26	20.26	20.77	21.25
	8H	20.02	20.48	20.55	21.00	21.50	20.02	20.48	20.55	21.00	21.50
	12H	20.20	20.60	20.72	21.10	21.68	20.20	20.60	20.72	21.10	21.68
12H	4H	18.97	19.51	19.46	20.00	20.48	18.97	19.51	19.46	20.00	20.48
	6H	19.79	20.24	20.31	20.76	21.26	19.79	20.24	20.31	20.76	21.26
	8H	20.10	20.50	20.62	21.00	21.58	20.10	20.50	20.62	21.00	21.58

END OF REPORT