

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: P1221486

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221486
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 (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

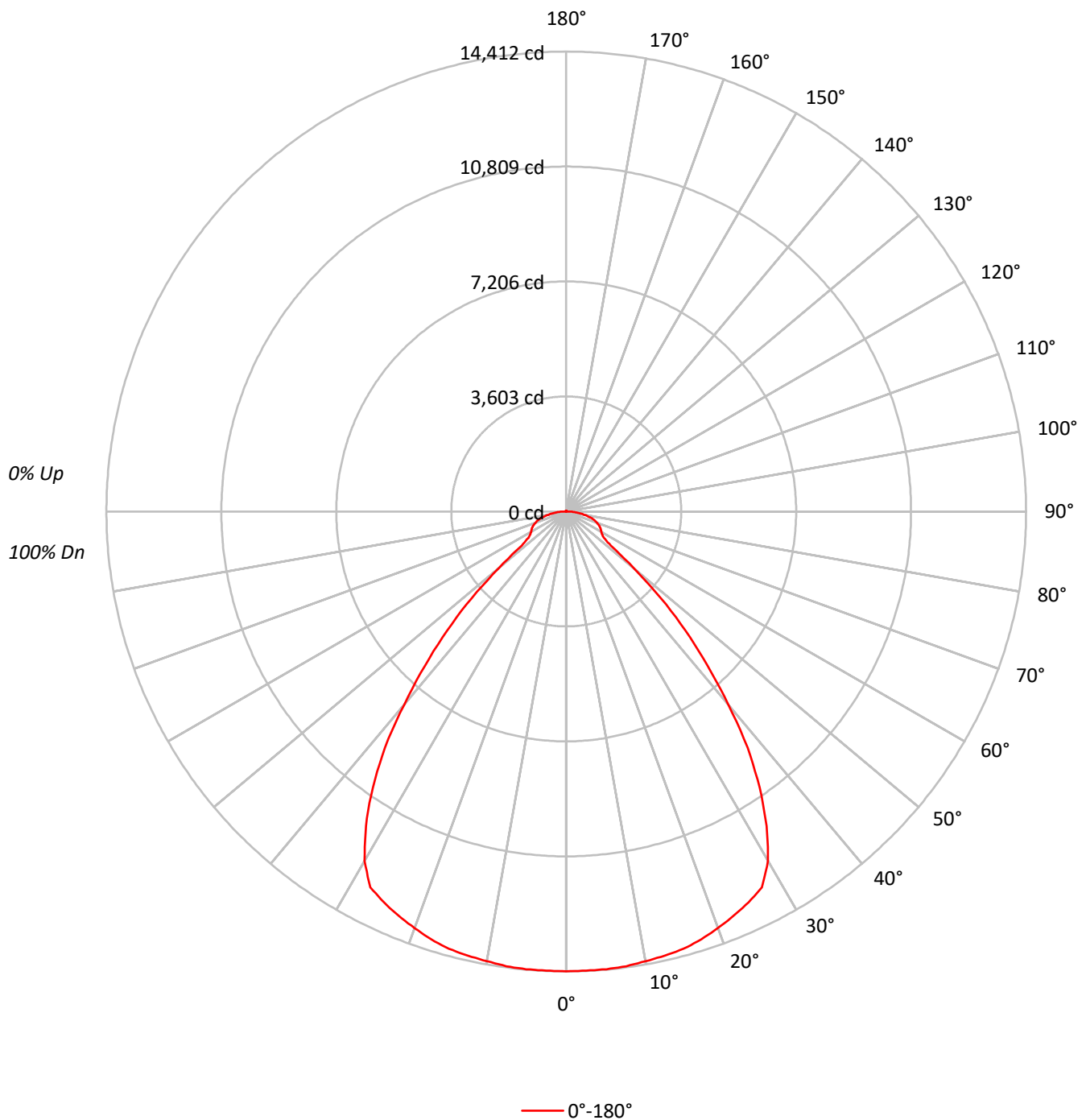
Lumens per Lamp: N/A
Luminaire Lumens: 25993.3 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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

TEST NUMBER: P1221486

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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56		
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53	51		
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83105
5°	79296
10°	75964
15°	73221
20°	70296
25°	67580
30°	62932
35°	52791
40°	39907
45°	27190
50°	14542
55°	7889
60°	7280
65°	7079
70°	6609
75°	5738
80°	4274
85°	2329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27190 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1371.8	5.3
10°-20°	4006.1	15.4
20°-30°	6209.9	23.9
30°-40°	6517.2	25.1
40°-50°	4045.8	15.6
50°-60°	1454.9	5.6
60°-70°	1150.4	4.4
70°-80°	852.3	3.3
80°-90°	298.1	1.1
90°-100°	8.9	0.0
100°-110°	9.5	0.0
110°-120°	9.9	0.0
120°-130°	10.7	0.0
130°-140°	12.0	0.0
140°-150°	14.4	0.1
150°-160°	12.4	0.0
160°-170°	6.5	0.0
170°-180°	2.2	0.0
0°-30°	11587.8	44.6
0°-40°	18105.0	69.7
0°-60°	23605.8	90.8
0°-90°	25906.6	99.7
90°-120°	28.4	0.1
90°-150°	65.5	0.3
90°-180°	87.0	0.3
0°-180°	25993.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14412	
5°	14400	###
15°	14188	4006
25°	13519	6210
35°	10571	6517
45°	5285	4046
55°	1440	1455
65°	1170	1150
75°	820	852
85°	271	279
90°	8	21
95°	8	7
105°	9	10
115°	10	10
125°	12	11
135°	16	12
145°	23	14
155°	27	12
165°	23	7
175°	23	2
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14412.1
2.5°	14399.4
5°	14400.3
7.5°	14372.9
10°	14311.9
12.5°	14258.2
15°	14188.0
17.5°	14063.2
20°	13894.7
22.5°	13716.1
25°	13519.3
27.5°	13287.9
30°	12643.9
32.5°	11686.4
35°	10571.3
37.5°	9334.2
40°	7903.9
42.5°	6541.9
45°	5284.7
47.5°	4021.2
50°	2751.2
52.5°	1751.9
55°	1440.3
57.5°	1331.0
60°	1270.9
62.5°	1222.6
65°	1169.7
67.5°	1103.2
70°	1022.1
72.5°	928.3
75°	819.9
77.5°	692.4
80°	555.7
82.5°	414.5
85°	270.6
87.5°	128.5
90°	8.2
92.5°	8.2
95°	8.2
97.5°	8.2
100°	8.2
102.5°	9.1
105°	9.1
107.5°	9.1
110°	9.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.0
115°	10.0
117.5°	10.0
120°	10.9
122.5°	10.9
125°	11.8
127.5°	12.8
130°	13.7
132.5°	14.6
135°	15.5
137.5°	16.4
140°	18.2
142.5°	21.0
145°	22.8
147.5°	25.5
150°	28.2
152.5°	28.2
155°	27.3
157.5°	25.5
160°	23.7
162.5°	22.8
165°	22.8
167.5°	22.8
170°	22.8
172.5°	22.8
175°	22.8
177.5°	24.6
180°	25.5

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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	15.08	16.38	15.45	16.70	17.02	15.08	16.38	15.45	16.70	17.02
	3H	17.29	18.45	17.68	18.79	19.16	17.29	18.45	17.68	18.79	19.16
	4H	18.14	19.22	18.55	19.58	19.97	18.14	19.22	18.55	19.58	19.97
	6H	18.72	19.71	19.14	20.09	20.49	18.72	19.71	19.14	20.09	20.49
	8H	18.88	19.82	19.31	20.22	20.63	18.88	19.82	19.31	20.22	20.63
	12H	18.96	19.86	19.40	20.25	20.69	18.96	19.86	19.40	20.25	20.69
4H	2H	15.72	16.80	16.13	17.16	17.55	15.72	16.80	16.13	17.16	17.55
	3H	18.11	19.01	18.53	19.42	19.83	18.11	19.01	18.53	19.42	19.83
	4H	19.06	19.87	19.50	20.29	20.74	19.06	19.87	19.50	20.29	20.74
	6H	19.75	20.44	20.22	20.90	21.37	19.75	20.44	20.22	20.90	21.37
	8H	19.94	20.59	20.42	21.05	21.53	19.94	20.59	20.42	21.05	21.53
	12H	20.05	20.63	20.54	21.12	21.60	20.05	20.63	20.54	21.12	21.60
8H	4H	19.34	19.99	19.81	20.44	20.92	19.34	19.99	19.81	20.44	20.92
	6H	20.12	20.66	20.63	21.16	21.65	20.12	20.66	20.63	21.16	21.65
	8H	20.38	20.86	20.90	21.38	21.88	20.38	20.86	20.90	21.38	21.88
	12H	20.54	20.97	21.06	21.47	22.05	20.54	20.97	21.06	21.47	22.05
12H	4H	19.35	19.93	19.84	20.41	20.90	19.35	19.93	19.84	20.41	20.90
	6H	20.15	20.63	20.68	21.15	21.65	20.15	20.63	20.68	21.15	21.65
	8H	20.45	20.88	20.97	21.38	21.95	20.45	20.88	20.97	21.38	21.95