

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: P1221498

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221498
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

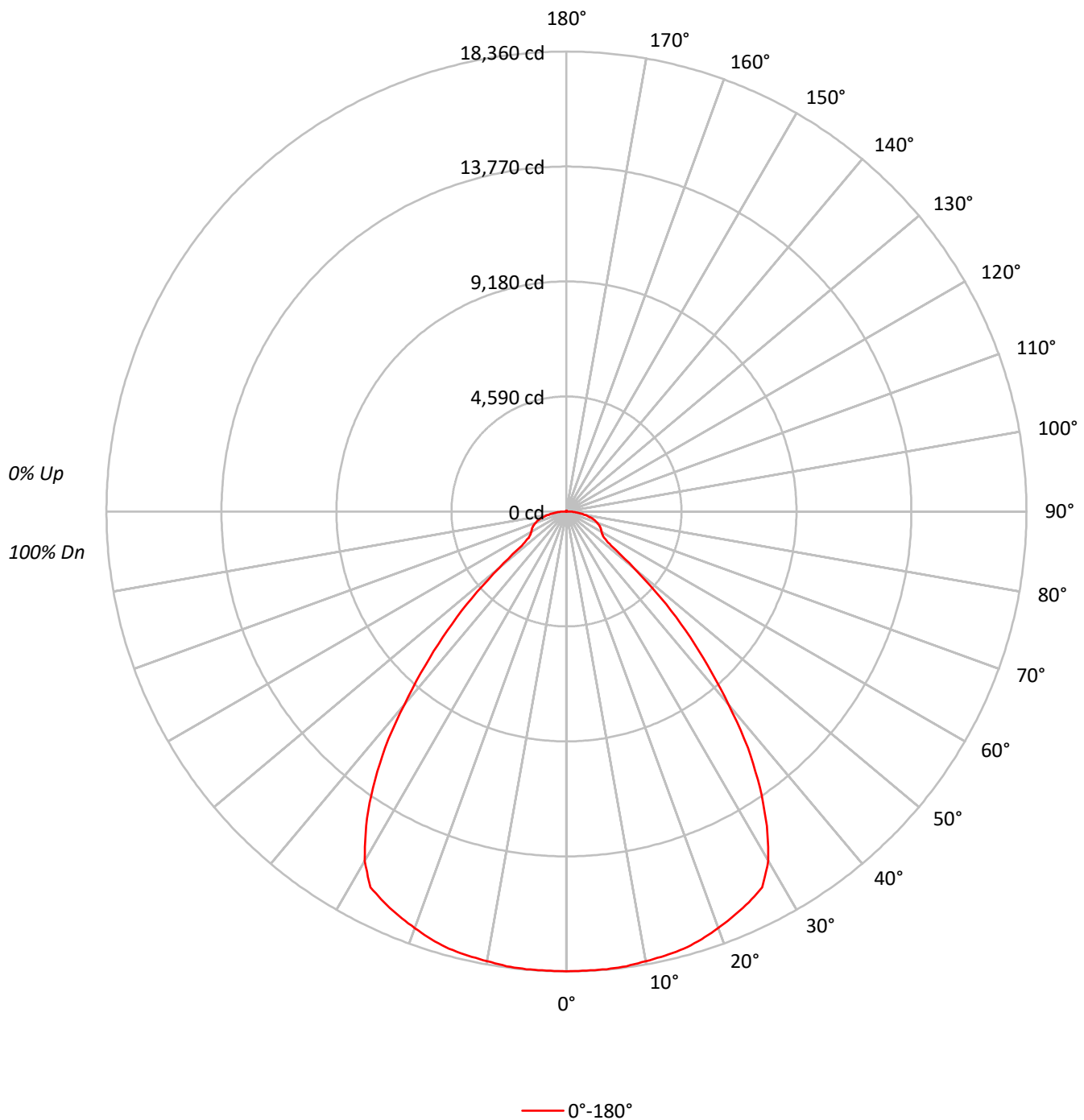
Lumens per Lamp: N/A
Luminaire Lumens: 33113.4 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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: P1221498

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

Luminous Intensity Polar Plot



CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	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					100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78					78			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53	51					51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42					42			
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40	39					39			
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105869
5°	101017
10°	96773
15°	93278
20°	89551
25°	86092
30°	80171
35°	67252
40°	50838
45°	34638
50°	18526
55°	10050
60°	9274
65°	9018
70°	8420
75°	7310
80°	5444
85°	2967

MAXIMUM LUMINANCE 45°-90°:

Luminance: 34638 cd/sqm

TEST NUMBER: P1221498

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1747.6	5.3
10°-20°	5103.5	15.4
20°-30°	7910.9	23.9
30°-40°	8302.4	25.1
40°-50°	5154.1	15.6
50°-60°	1853.5	5.6
60°-70°	1465.5	4.4
70°-80°	1085.8	3.3
80°-90°	379.7	1.1
90°-100°	11.3	0.0
100°-110°	12.1	0.0
110°-120°	12.7	0.0
120°-130°	13.6	0.0
130°-140°	15.3	0.0
140°-150°	18.3	0.1
150°-160°	15.9	0.0
160°-170°	8.3	0.0
170°-180°	2.8	0.0
0°-30°	14762.0	44.6
0°-40°	23064.4	69.7
0°-60°	30072.0	90.8
0°-90°	33003.0	99.7
90°-120°	36.1	0.1
90°-150°	83.4	0.3
90°-180°	110.0	0.3
0°-180°	33113.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18360	
5°	18345	###
15°	18074	5103
25°	17223	7911
35°	13467	8302
45°	6732	5154
55°	1835	1853
65°	1490	1466
75°	1044	1086
85°	345	356
90°	10	27
95°	10	8
105°	12	12
115°	13	13
125°	15	14
135°	20	15
145°	29	18
155°	35	16
165°	29	8
175°	29	3
180°	32	

TEST NUMBER: P1221498

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	18359.9
2.5°	18343.7
5°	18344.9
7.5°	18310.0
10°	18232.3
12.5°	18163.8
15°	18074.4
17.5°	17915.5
20°	17700.7
22.5°	17473.3
25°	17222.6
27.5°	16927.8
30°	16107.3
32.5°	14887.6
35°	13467.1
37.5°	11891.0
40°	10069.0
42.5°	8333.9
45°	6732.4
47.5°	5122.7
50°	3504.9
52.5°	2231.7
55°	1834.8
57.5°	1695.6
60°	1619.0
62.5°	1557.5
65°	1490.1
67.5°	1405.4
70°	1302.1
72.5°	1182.6
75°	1044.5
77.5°	882.0
80°	707.9
82.5°	528.1
85°	344.7
87.5°	163.6
90°	10.4
92.5°	10.4
95°	10.4
97.5°	10.4
100°	10.4
102.5°	11.6
105°	11.6
107.5°	11.6
110°	11.6

TEST NUMBER: P1221498

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	12.8
115°	12.8
117.5°	12.8
120°	13.9
122.5°	13.9
125°	15.1
127.5°	16.2
130°	17.4
132.5°	18.6
135°	19.7
137.5°	20.9
140°	23.2
142.5°	26.7
145°	29.0
147.5°	32.5
150°	36.0
152.5°	36.0
155°	34.8
157.5°	32.5
160°	30.2
162.5°	29.0
165°	29.0
167.5°	29.0
170°	29.0
172.5°	29.0
175°	29.0
177.5°	31.3
180°	32.5

TEST NUMBER: P1221498

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L36_Wide_120V)

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	15.92	17.22	16.29	17.54	17.86	15.92	17.22	16.29	17.54	17.86
	3H	18.13	19.29	18.52	19.63	20.00	18.13	19.29	18.52	19.63	20.00
	4H	18.98	20.06	19.39	20.42	20.81	18.98	20.06	19.39	20.42	20.81
	6H	19.56	20.56	19.98	20.93	21.34	19.56	20.56	19.98	20.93	21.34
	8H	19.72	20.66	20.16	21.06	21.48	19.72	20.66	20.16	21.06	21.48
	12H	19.80	20.70	20.24	21.09	21.53	19.80	20.70	20.24	21.09	21.53
4H	2H	16.56	17.65	16.97	18.00	18.39	16.56	17.65	16.97	18.00	18.39
	3H	18.95	19.85	19.37	20.26	20.67	18.95	19.85	19.37	20.26	20.67
	4H	19.90	20.71	20.35	21.13	21.58	19.90	20.71	20.35	21.13	21.58
	6H	20.59	21.29	21.06	21.74	22.21	20.59	21.29	21.06	21.74	22.21
	8H	20.78	21.43	21.26	21.89	22.37	20.78	21.43	21.26	21.89	22.37
	12H	20.89	21.47	21.39	21.96	22.44	20.89	21.47	21.39	21.96	22.44
8H	4H	20.18	20.83	20.65	21.28	21.76	20.18	20.83	20.65	21.28	21.76
	6H	20.96	21.50	21.47	22.00	22.49	20.96	21.50	21.47	22.00	22.49
	8H	21.22	21.70	21.74	22.22	22.72	21.22	21.70	21.74	22.22	22.72
	12H	21.39	21.81	21.91	22.31	22.89	21.39	21.81	21.91	22.31	22.89
12H	4H	20.19	20.77	20.68	21.26	21.74	20.19	20.77	20.68	21.26	21.74
	6H	20.99	21.47	21.52	21.99	22.49	20.99	21.47	21.52	21.99	22.49
	8H	21.29	21.72	21.81	22.22	22.80	21.29	21.72	21.81	22.22	22.80