

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: P1221448

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221448
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

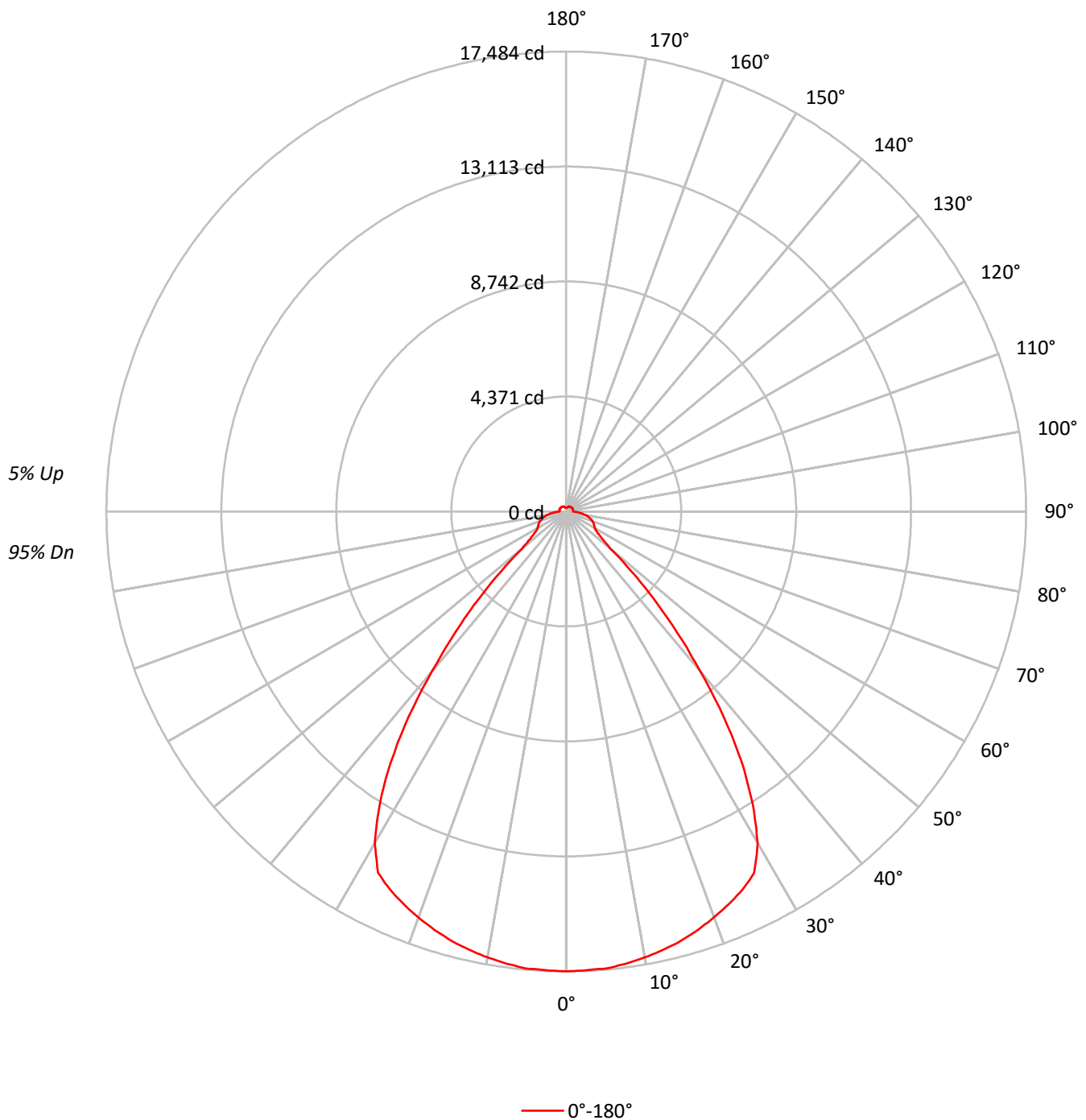
Lumens per Lamp: N/A
Luminaire Lumens: 30052.6 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.4
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: P1221448

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)

Luminous Intensity Polar Plot



CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)

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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	86	86	86	86	86			
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	77	77	77	77	77			
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	69	69	69	69	69			
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	62	62	62	62	62			
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	57	57	57	57	57			
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	52	52	52	52	52			
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	47	47	47	47	47			
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	43	43	43	43	43			
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	40			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100818
5°	96006
10°	91379
15°	87202
20°	83102
25°	79301
30°	72459
35°	58048
40°	39993
45°	24171
50°	11544
55°	8232
60°	7172
65°	7057
70°	6809
75°	6327
80°	5437
85°	4097

MAXIMUM LUMINANCE 45°-90°:

Luminance: 24171 cd/sqm

TEST NUMBER: P1221448

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1656.9	5.5
10°-20°	4769.1	15.9
20°-30°	7266.7	24.2
30°-40°	7129.5	23.7
40°-50°	3683.2	12.3
50°-60°	1403.0	4.7
60°-70°	1149.9	3.8
70°-80°	945.2	3.1
80°-90°	518.3	1.7
90°-100°	279.8	0.9
100°-110°	280.5	0.9
110°-120°	262.6	0.9
120°-130°	228.9	0.8
130°-140°	186.5	0.6
140°-150°	140.5	0.5
150°-160°	92.5	0.3
160°-170°	46.3	0.2
170°-180°	13.2	0.0
0°-30°	13692.7	45.6
0°-40°	20822.2	69.3
0°-60°	25908.4	86.2
0°-90°	28521.9	94.9
90°-120°	822.9	2.7
90°-150°	1378.8	4.6
90°-180°	1531.0	5.1
0°-180°	30052.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17484	
5°	17435	###
15°	16897	4769
25°	15864	7267
35°	11624	7130
45°	4698	3683
55°	1503	1403
65°	1166	1150
75°	904	945
85°	476	436
90°	250	152
95°	257	211
105°	266	280
115°	265	263
125°	255	229
135°	241	187
145°	223	140
155°	200	93
165°	161	46
175°	138	13
180°	137	

TEST NUMBER: P1221448

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	17484
2.5°	17456
5°	17435
7.5°	17346
10°	17216
12.5°	17065
15°	16897
17.5°	16674
20°	16426
22.5°	16157
25°	15864
27.5°	15479
30°	14558
32.5°	13211
35°	11624
37.5°	9842
40°	7921
42.5°	6231
45°	4698
47.5°	3356
50°	2184
52.5°	1734
55°	1503
57.5°	1334
60°	1252
62.5°	1205
65°	1166
67.5°	1115
70°	1053
72.5°	983
75°	904
77.5°	812
80°	707
82.5°	594
85°	476
87.5°	354
90°	250
92.5°	253
95°	257
97.5°	260
100°	262
102.5°	264
105°	266
107.5°	266
110°	267

TEST NUMBER: P1221448

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	266
115°	265
117.5°	263
120°	261
122.5°	258
125°	255
127.5°	252
130°	249
132.5°	244
135°	241
137.5°	237
140°	232
142.5°	228
145°	223
147.5°	219
150°	214
152.5°	207
155°	200
157.5°	191
160°	182
162.5°	171
165°	161
167.5°	151
170°	141
172.5°	138
175°	138
177.5°	137
180°	137

TEST NUMBER: P1221448

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Medium_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	14.42	15.61	14.87	16.03	16.47	14.42	15.61	14.87	16.03	16.47
	3H	16.69	17.74	17.15	18.18	18.67	16.69	17.74	17.15	18.18	18.67
	4H	17.65	18.64	18.14	19.10	19.61	17.65	18.64	18.14	19.10	19.61
	6H	18.44	19.36	18.95	19.83	20.35	18.44	19.36	18.95	19.83	20.35
	8H	18.73	19.60	19.25	20.09	20.62	18.73	19.60	19.25	20.09	20.62
	12H	18.95	19.78	19.47	20.26	20.82	18.95	19.78	19.47	20.26	20.82
4H	2H	15.04	16.03	15.53	16.48	16.99	15.04	16.03	15.53	16.48	16.99
	3H	17.51	18.33	18.01	18.83	19.36	17.51	18.33	18.01	18.83	19.36
	4H	18.60	19.34	19.12	19.86	20.42	18.60	19.34	19.12	19.86	20.42
	6H	19.53	20.17	20.08	20.71	21.30	19.53	20.17	20.08	20.71	21.30
	8H	19.88	20.48	20.43	21.02	21.61	19.88	20.48	20.43	21.02	21.61
	12H	20.15	20.69	20.72	21.26	21.85	20.15	20.69	20.72	21.26	21.85
8H	4H	18.94	19.54	19.49	20.08	20.67	18.94	19.54	19.49	20.08	20.67
	6H	20.00	20.50	20.59	21.09	21.68	20.00	20.50	20.59	21.09	21.68
	8H	20.44	20.89	21.05	21.49	22.10	20.44	20.89	21.05	21.49	22.10
	12H	20.83	21.22	21.42	21.80	22.48	20.83	21.22	21.42	21.80	22.48
12H	4H	18.97	19.50	19.54	20.07	20.67	18.97	19.50	19.54	20.07	20.67
	6H	20.07	20.52	20.68	21.12	21.73	20.07	20.52	20.68	21.12	21.73
	8H	20.58	20.97	21.17	21.55	22.24	20.58	20.97	21.17	21.55	22.24