

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: P1221457

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221457
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

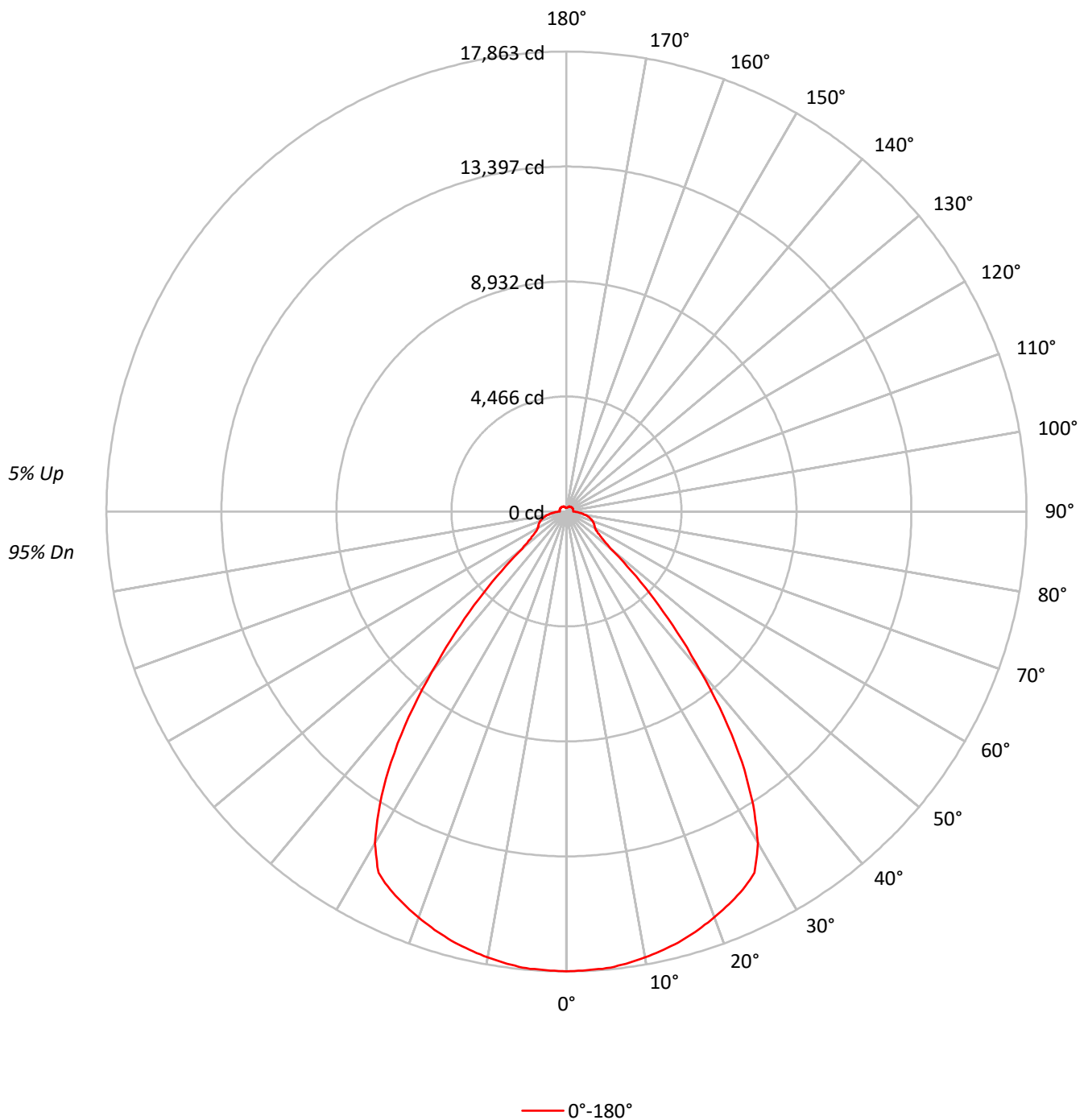
Lumens per Lamp: N/A
Luminaire Lumens: 30703.8 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95		
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	84		
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	75		
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	60		
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	55		
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103003
5°	98086
10°	93358
15°	89091
20°	84903
25°	81019
30°	74029
35°	59305
40°	40859
45°	24695
50°	11794
55°	8411
60°	7327
65°	7210
70°	6957
75°	6464
80°	5555
85°	4186

MAXIMUM LUMINANCE 45°-90°:

Luminance: 24695 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1692.8	5.5
10°-20°	4872.4	15.9
20°-30°	7424.2	24.2
30°-40°	7283.9	23.7
40°-50°	3763.0	12.3
50°-60°	1433.4	4.7
60°-70°	1174.8	3.8
70°-80°	965.7	3.1
80°-90°	529.6	1.7
90°-100°	285.9	0.9
100°-110°	286.6	0.9
110°-120°	268.3	0.9
120°-130°	233.8	0.8
130°-140°	190.5	0.6
140°-150°	143.5	0.5
150°-160°	94.5	0.3
160°-170°	47.3	0.2
170°-180°	13.5	0.0
0°-30°	13989.4	45.6
0°-40°	21273.4	69.3
0°-60°	26469.8	86.2
0°-90°	29139.8	94.9
90°-120°	840.7	2.7
90°-150°	1408.6	4.6
90°-180°	1564.0	5.1
0°-180°	30703.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17863	
5°	17813	###
15°	17263	4872
25°	16208	7424
35°	11876	7284
45°	4800	3763
55°	1536	1433
65°	1191	1175
75°	924	966
85°	486	445
90°	255	155
95°	263	215
105°	272	287
115°	271	268
125°	260	234
135°	246	191
145°	228	143
155°	204	95
165°	164	47
175°	141	14
180°	140	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17862.8
2.5°	17834.2
5°	17812.7
7.5°	17721.8
10°	17589.0
12.5°	17434.7
15°	17263.1
17.5°	17035.3
20°	16781.9
22.5°	16507.1
25°	16207.7
27.5°	15814.4
30°	14873.4
32.5°	13497.2
35°	11875.8
37.5°	10055.2
40°	8092.6
42.5°	6366.0
45°	4799.8
47.5°	3428.7
50°	2231.3
52.5°	1771.6
55°	1535.6
57.5°	1362.9
60°	1279.1
62.5°	1231.1
65°	1191.3
67.5°	1139.2
70°	1075.8
72.5°	1004.3
75°	923.6
77.5°	829.6
80°	722.3
82.5°	606.9
85°	486.3
87.5°	361.7
90°	255.4
92.5°	258.5
95°	262.6
97.5°	265.6
100°	267.7
102.5°	269.7
105°	271.8
107.5°	271.8
110°	272.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	271.8
115°	270.7
117.5°	268.7
120°	266.7
122.5°	263.6
125°	260.5
127.5°	257.5
130°	254.4
132.5°	249.3
135°	246.2
137.5°	242.1
140°	237.0
142.5°	232.9
145°	227.8
147.5°	223.7
150°	218.6
152.5°	211.5
155°	204.3
157.5°	195.1
160°	185.9
162.5°	174.7
165°	164.5
167.5°	154.3
170°	144.1
172.5°	141.0
175°	141.0
177.5°	140.0
180°	140.0

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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	14.49	15.68	14.95	16.10	16.55	14.49	15.68	14.95	16.10	16.55
	3H	16.76	17.82	17.23	18.25	18.75	16.76	17.82	17.23	18.25	18.75
	4H	17.73	18.72	18.22	19.17	19.68	17.73	18.72	18.22	19.17	19.68
	6H	18.52	19.43	19.02	19.90	20.42	18.52	19.43	19.02	19.90	20.42
	8H	18.81	19.67	19.33	20.17	20.69	18.81	19.67	19.33	20.17	20.69
	12H	19.03	19.86	19.55	20.34	20.89	19.03	19.86	19.55	20.34	20.89
4H	2H	15.11	16.10	15.60	16.56	17.07	15.11	16.10	15.60	16.56	17.07
	3H	17.58	18.40	18.08	18.91	19.43	17.58	18.40	18.08	18.91	19.43
	4H	18.68	19.42	19.20	19.93	20.50	18.68	19.42	19.20	19.93	20.50
	6H	19.60	20.25	20.15	20.79	21.37	19.60	20.25	20.15	20.79	21.37
	8H	19.95	20.55	20.50	21.09	21.68	19.95	20.55	20.50	21.09	21.68
	12H	20.23	20.76	20.80	21.33	21.93	20.23	20.76	20.80	21.33	21.93
8H	4H	19.01	19.61	19.56	20.15	20.74	19.01	19.61	19.56	20.15	20.74
	6H	20.08	20.57	20.66	21.16	21.76	20.08	20.57	20.66	21.16	21.76
	8H	20.52	20.96	21.12	21.56	22.17	20.52	20.96	21.12	21.56	22.17
	12H	20.90	21.29	21.50	21.88	22.56	20.90	21.29	21.50	21.88	22.56
12H	4H	19.04	19.58	19.61	20.15	20.74	19.04	19.58	19.61	20.15	20.74
	6H	20.15	20.59	20.75	21.19	21.80	20.15	20.59	20.75	21.19	21.80
	8H	20.65	21.04	21.25	21.63	22.31	20.65	21.04	21.25	21.63	22.31

END OF REPORT