

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: P1221459

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221459
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

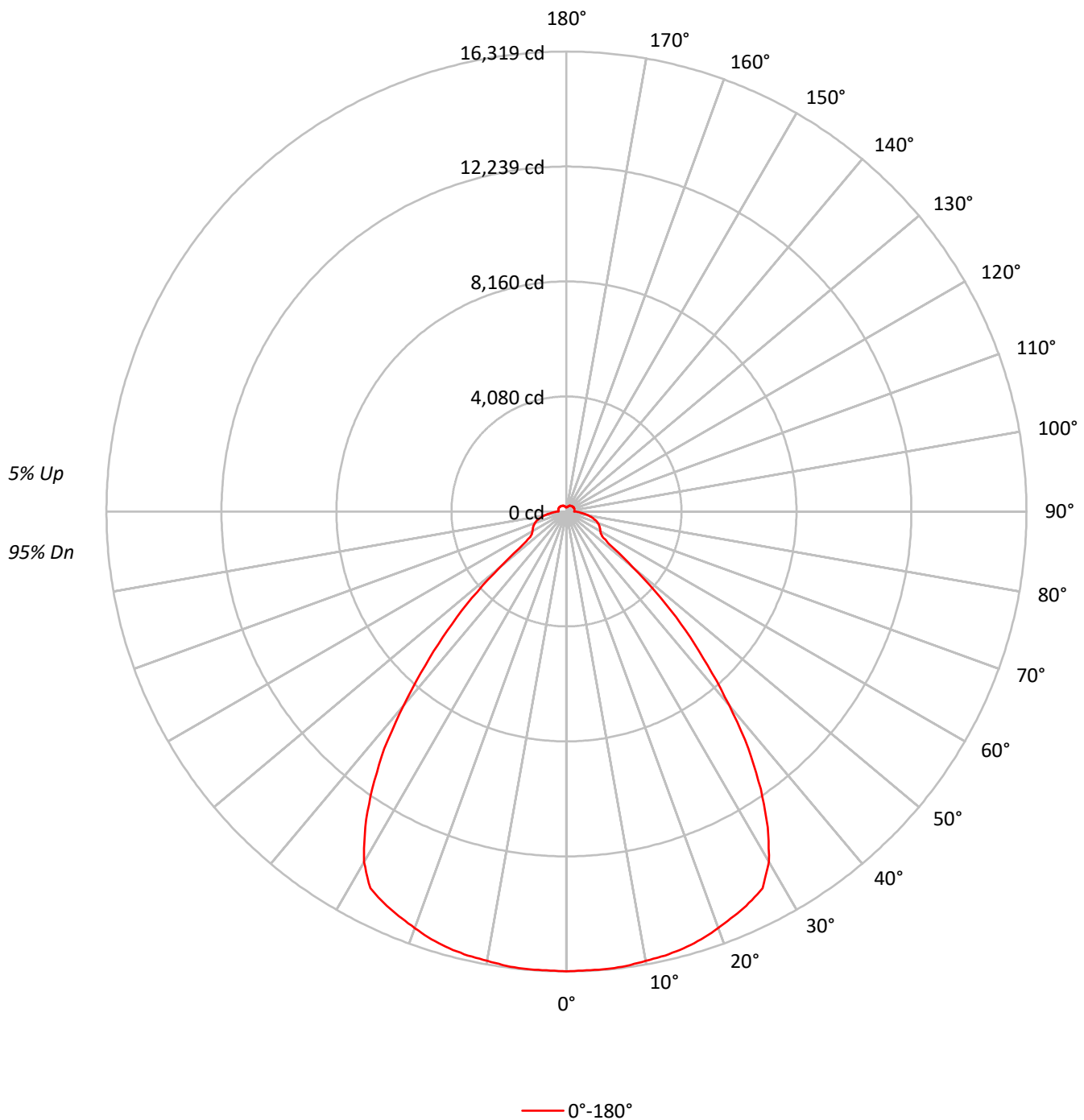
Lumens per Lamp: N/A
Luminaire Lumens: 31309.4 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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

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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	50	30	10		
RCR																									
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	90	85	99	93	88	84	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	53	75	64	57	52	62	56	51	60	55	51	58	53	50	50	50	50	50	48			
7	72	60	53	48	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	44			
8	68	56	48	43	66	55	48	43	53	47	43	52	46	42	50	45	41	41	41	41	41	40			
9	64	52	45	40	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94101
5°	89760
10°	85940
15°	82859
20°	79610
25°	76627
30°	71492
35°	60000
40°	45275
45°	30771
50°	16309
55°	8523
60°	7953
65°	7889
70°	7644
75°	7051
80°	5933
85°	4450

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.5	5.0
10°-20°	4534.3	14.5
20°-30°	7040.6	22.5
30°-40°	7406.9	23.7
40°-50°	4579.2	14.6
50°-60°	1593.9	5.1
60°-70°	1284.9	4.1
70°-80°	1051.7	3.4
80°-90°	564.8	1.8
90°-100°	311.1	1.0
100°-110°	312.1	1.0
110°-120°	292.1	0.9
120°-130°	255.1	0.8
130°-140°	207.2	0.7
140°-150°	155.7	0.5
150°-160°	102.1	0.3
160°-170°	50.9	0.2
170°-180°	14.5	0.0
0°-30°	13127.4	41.9
0°-40°	20534.3	65.6
0°-60°	26707.3	85.3
0°-90°	29608.7	94.6
90°-120°	915.3	2.9
90°-150°	1533.3	4.9
90°-180°	1701.0	5.4
0°-180°	31309.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16319	
5°	16301	###
15°	16056	4534
25°	15329	7041
35°	12015	7407
45°	5981	4579
55°	1556	1594
65°	1304	1285
75°	1007	1052
85°	517	474
90°	277	168
95°	285	235
105°	295	312
115°	294	292
125°	284	255
135°	268	207
145°	248	156
155°	221	102
165°	178	51
175°	151	14
180°	148	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16319.1
2.5°	16294.5
5°	16300.7
7.5°	16267.0
10°	16191.4
12.5°	16139.3
15°	16055.5
17.5°	15916.5
20°	15735.7
22.5°	15536.5
25°	15329.1
27.5°	15068.6
30°	14363.6
32.5°	13292.9
35°	12014.8
37.5°	10609.0
40°	8967.2
42.5°	7411.2
45°	5980.8
47.5°	4550.5
50°	3085.4
52.5°	1921.8
55°	1556.0
57.5°	1445.7
60°	1388.4
62.5°	1344.5
65°	1303.6
67.5°	1249.5
70°	1182.1
72.5°	1103.4
75°	1007.4
77.5°	895.0
80°	771.4
82.5°	644.7
85°	517.0
87.5°	387.2
90°	276.9
92.5°	282.0
95°	285.0
97.5°	289.1
100°	292.2
102.5°	294.2
105°	295.3
107.5°	296.3
110°	296.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	296.3
115°	294.2
117.5°	293.2
120°	290.2
122.5°	288.1
125°	284.0
127.5°	281.0
130°	276.9
132.5°	271.8
135°	267.7
137.5°	262.6
140°	257.5
142.5°	252.4
145°	248.3
147.5°	242.1
150°	236.0
152.5°	228.9
155°	220.7
157.5°	210.5
160°	199.2
162.5°	189.0
165°	177.8
167.5°	165.5
170°	154.3
172.5°	151.2
175°	151.2
177.5°	149.2
180°	148.1

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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	14.78	16.00	15.24	16.43	16.88	14.78	16.00	15.24	16.43	16.88
	3H	17.17	18.26	17.64	18.70	19.20	17.17	18.26	17.64	18.70	19.20
	4H	18.16	19.18	18.66	19.64	20.16	18.16	19.18	18.66	19.64	20.16
	6H	18.94	19.89	19.45	20.36	20.89	18.94	19.89	19.45	20.36	20.89
	8H	19.23	20.12	19.75	20.62	21.15	19.23	20.12	19.75	20.62	21.15
	12H	19.44	20.29	19.96	20.78	21.34	19.44	20.29	19.96	20.78	21.34
4H	2H	15.46	16.48	15.95	16.94	17.45	15.46	16.48	15.95	16.94	17.45
	3H	18.03	18.88	18.54	19.39	19.92	18.03	18.88	18.54	19.39	19.92
	4H	19.14	19.91	19.67	20.43	21.00	19.14	19.91	19.67	20.43	21.00
	6H	20.05	20.72	20.60	21.26	21.85	20.05	20.72	20.60	21.26	21.85
	8H	20.39	21.01	20.94	21.55	22.15	20.39	21.01	20.94	21.55	22.15
	12H	20.65	21.21	21.23	21.78	22.38	20.65	21.21	21.23	21.78	22.38
8H	4H	19.48	20.10	20.04	20.65	21.24	19.48	20.10	20.04	20.65	21.24
	6H	20.52	21.04	21.11	21.63	22.23	20.52	21.04	21.11	21.63	22.23
	8H	20.95	21.41	21.56	22.02	22.63	20.95	21.41	21.56	22.02	22.63
	12H	21.32	21.73	21.92	22.32	23.00	21.32	21.73	21.92	22.32	23.00
12H	4H	19.51	20.07	20.09	20.64	21.24	19.51	20.07	20.09	20.64	21.24
	6H	20.59	21.06	21.20	21.66	22.28	20.59	21.06	21.20	21.66	22.28
	8H	21.08	21.49	21.68	22.07	22.76	21.08	21.49	21.68	22.07	22.76