

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: P1221524

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L36_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221524
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
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 (6500K_L36_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

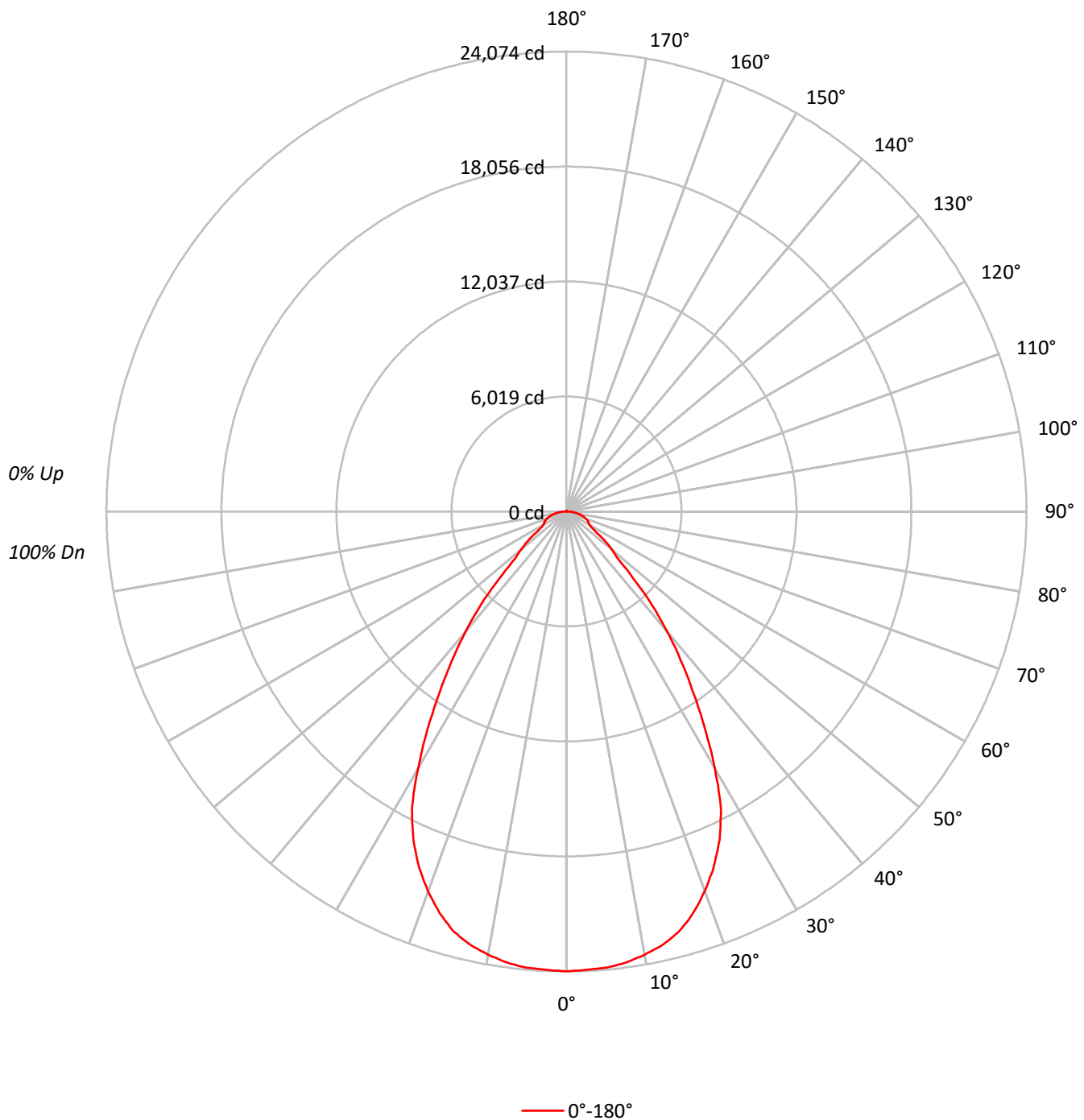
Lumens per Lamp: N/A
Luminaire Lumens: 32860.0 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	90	83	79	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	54		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	57	52	48	56	51	48	46		
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138818
5°	132012
10°	125059
15°	117509
20°	107023
25°	94761
30°	77376
35°	57762
40°	41470
45°	25503
50°	16373
55°	10513
60°	7985
65°	7552
70°	6903
75°	5888
80°	4521
85°	2627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25503 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2275.1	6.9
10°-20°	6373.4	19.4
20°-30°	8601.7	26.2
30°-40°	7256.9	22.1
40°-50°	3977.4	12.1
50°-60°	1839.9	5.6
60°-70°	1227.4	3.7
70°-80°	883.6	2.7
80°-90°	327.7	1.0
90°-100°	8.9	0.0
100°-110°	9.8	0.0
110°-120°	10.4	0.0
120°-130°	11.0	0.0
130°-140°	13.5	0.0
140°-150°	17.3	0.1
150°-160°	14.7	0.0
160°-170°	8.3	0.0
170°-180°	3.0	0.0
0°-30°	17250.2	52.5
0°-40°	24507.1	74.6
0°-60°	30324.4	92.3
0°-90°	32763.1	99.7
90°-120°	29.1	0.1
90°-150°	70.9	0.2
90°-180°	97.0	0.3
0°-180°	32860.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24074	
5°	23974	###
15°	22770	6373
25°	18957	8602
35°	11567	7257
45°	4957	3977
55°	1919	1840
65°	1248	1227
75°	841	884
85°	305	306
90°	8	24
95°	8	7
105°	9	10
115°	11	10
125°	12	11
135°	16	13
145°	28	17
155°	32	15
165°	30	8
175°	32	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	24073.9
2.5°	24018.5
5°	23973.8
7.5°	23818.2
10°	23561.4
12.5°	23240.9
15°	22769.6
17.5°	22054.4
20°	21154.2
22.5°	20157.4
25°	18956.8
27.5°	17511.1
30°	15545.8
32.5°	13508.6
35°	11566.8
37.5°	9825.4
40°	8213.5
42.5°	6625.3
45°	4956.9
47.5°	3605.4
50°	3097.6
52.5°	2542.7
55°	1919.4
57.5°	1564.7
60°	1393.9
62.5°	1311.4
65°	1247.8
67.5°	1164.1
70°	1067.5
72.5°	961.4
75°	841.3
77.5°	717.6
80°	587.9
82.5°	451.3
85°	305.2
87.5°	149.6
90°	8.2
92.5°	8.2
95°	8.2
97.5°	8.2
100°	8.2
102.5°	9.4
105°	9.4
107.5°	9.4
110°	9.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.6
115°	10.6
117.5°	10.6
120°	10.6
122.5°	11.8
125°	11.8
127.5°	13.0
130°	14.1
132.5°	15.3
135°	16.5
137.5°	20.0
140°	22.4
142.5°	24.7
145°	28.3
147.5°	30.6
150°	33.0
152.5°	33.0
155°	31.8
157.5°	30.6
160°	29.5
162.5°	28.3
165°	29.5
167.5°	29.5
170°	30.6
172.5°	30.6
175°	31.8
177.5°	33.0
180°	35.3

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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	15.43	16.67	15.80	16.99	17.31	15.43	16.67	15.80	16.99	17.31
	3H	17.29	18.39	17.68	18.73	19.10	17.29	18.39	17.68	18.73	19.10
	4H	18.01	19.04	18.42	19.40	19.79	18.01	19.04	18.42	19.40	19.79
	6H	18.53	19.48	18.96	19.86	20.26	18.53	19.48	18.96	19.86	20.26
	8H	18.69	19.58	19.13	19.98	20.39	18.69	19.58	19.13	19.98	20.39
	12H	18.77	19.63	19.21	20.02	20.45	18.77	19.63	19.21	20.02	20.45
4H	2H	15.93	16.96	16.34	17.32	17.71	15.93	16.96	16.34	17.32	17.71
	3H	18.00	18.84	18.42	19.26	19.67	18.00	18.84	18.42	19.26	19.67
	4H	18.83	19.59	19.27	20.02	20.47	18.83	19.59	19.27	20.02	20.47
	6H	19.47	20.13	19.94	20.58	21.05	19.47	20.13	19.94	20.58	21.05
	8H	19.66	20.28	20.14	20.73	21.21	19.66	20.28	20.14	20.73	21.21
	12H	19.78	20.32	20.27	20.81	21.29	19.78	20.32	20.27	20.81	21.29
8H	4H	19.07	19.68	19.54	20.13	20.61	19.07	19.68	19.54	20.13	20.61
	6H	19.81	20.31	20.32	20.82	21.30	19.81	20.31	20.32	20.82	21.30
	8H	20.07	20.52	20.60	21.04	21.54	20.07	20.52	20.60	21.04	21.54
	12H	20.25	20.65	20.77	21.15	21.73	20.25	20.65	20.77	21.15	21.73
12H	4H	19.07	19.61	19.57	20.10	20.59	19.07	19.61	19.57	20.10	20.59
	6H	19.84	20.29	20.37	20.81	21.31	19.84	20.29	20.37	20.81	21.31
	8H	20.14	20.54	20.67	21.04	21.62	20.14	20.54	20.67	21.04	21.62

END OF REPORT