

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: P1221430

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221430
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

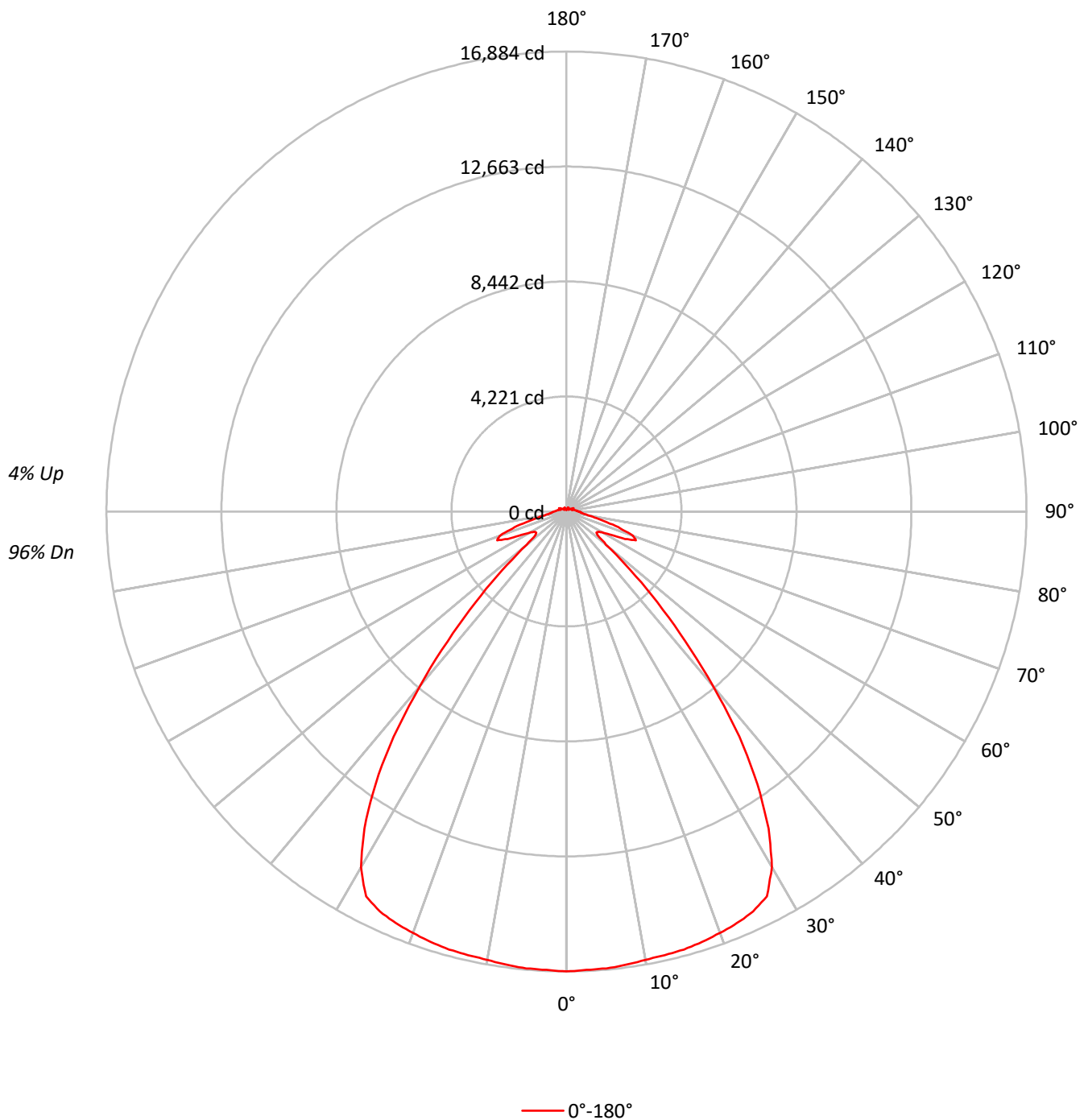
Lumens per Lamp: N/A
Luminaire Lumens: 32140.1 lumens
Efficiency: N/A
Efficacy: 166.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86	86	86	86	86	83			
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75	75	75	75	75	73			
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	67	67	67	67	64			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	54	54	54	54	52			
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49	49	49	49	49	47			
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	45	45	45	45	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97362
5°	92712
10°	88703
15°	85906
20°	83311
25°	81007
30°	75055
35°	61052
40°	42156
45°	24258
50°	10013
55°	7379
60°	8851
65°	14421
70°	16754
75°	10808
80°	6317
85°	4762

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1603.1	5.0
10°-20°	4708.3	14.6
20°-30°	7421.4	23.1
30°-40°	7481.8	23.3
40°-50°	3701.8	11.5
50°-60°	1321.2	4.1
60°-70°	2257.0	7.0
70°-80°	1701.5	5.3
80°-90°	633.5	2.0
90°-100°	399.0	1.2
100°-110°	256.1	0.8
110°-120°	257.0	0.8
120°-130°	124.4	0.4
130°-140°	85.3	0.3
140°-150°	91.9	0.3
150°-160°	64.4	0.2
160°-170°	26.8	0.1
170°-180°	5.6	0.0
0°-30°	13732.8	42.7
0°-40°	21214.5	66.0
0°-60°	26237.5	81.6
0°-90°	30829.5	95.9
90°-120°	912.1	2.8
90°-150°	1213.7	3.8
90°-180°	1311.0	4.1
0°-180°	32140.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16884	
5°	16837	###
15°	16646	4708
25°	16205	7421
35°	12226	7482
45°	4715	3702
55°	1347	1321
65°	2383	2257
75°	1544	1702
85°	553	505
90°	439	243
95°	364	284
105°	215	256
115°	274	257
125°	132	124
135°	107	85
145°	149	92
155°	142	64
165°	91	27
175°	56	6
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16884.5
2.5°	16848.0
5°	16836.8
7.5°	16789.1
10°	16711.9
12.5°	16679.5
15°	16646.0
17.5°	16570.8
20°	16467.3
22.5°	16361.7
25°	16205.3
27.5°	15931.2
30°	15079.4
32.5°	13805.3
35°	12225.6
37.5°	10419.5
40°	8349.4
42.5°	6454.9
45°	4714.8
47.5°	3182.8
50°	1894.4
52.5°	1444.7
55°	1347.2
57.5°	1388.9
60°	1545.2
62.5°	1848.8
65°	2382.8
67.5°	2760.5
70°	2590.9
72.5°	2091.4
75°	1544.2
77.5°	1118.8
80°	821.3
82.5°	638.6
85°	553.3
87.5°	502.5
90°	438.6
92.5°	397.0
95°	363.5
97.5°	335.0
100°	294.4
102.5°	243.7
105°	215.2
107.5°	228.4
110°	267.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	289.3
115°	274.1
117.5°	237.6
120°	198.0
122.5°	161.4
125°	132.0
127.5°	109.6
130°	97.5
132.5°	96.4
135°	106.6
137.5°	122.8
140°	137.1
142.5°	146.2
145°	149.2
147.5°	148.2
150°	147.2
152.5°	145.2
155°	142.1
157.5°	133.0
160°	119.8
162.5°	105.6
165°	91.4
167.5°	77.2
170°	65.0
172.5°	58.9
175°	55.8
177.5°	54.8
180°	54.8

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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	14.52	15.79	14.95	16.19	16.61	14.52	15.79	14.95	16.19	16.61
	3H	20.89	22.03	21.34	22.44	22.91	20.89	22.03	21.34	22.44	22.91
	4H	21.80	22.87	22.27	23.31	23.79	21.80	22.87	22.27	23.31	23.79
	6H	22.16	23.15	22.65	23.61	24.10	22.16	23.15	22.65	23.61	24.10
	8H	22.25	23.19	22.75	23.67	24.17	22.25	23.19	22.75	23.67	24.17
	12H	22.32	23.23	22.83	23.69	24.22	22.32	23.23	22.83	23.69	24.22
4H	2H	16.71	17.79	17.19	18.22	18.70	16.71	17.79	17.19	18.22	18.70
	3H	22.01	22.91	22.49	23.40	23.90	22.01	22.91	22.49	23.40	23.90
	4H	22.91	23.73	23.41	24.22	24.76	22.91	23.73	23.41	24.22	24.76
	6H	23.32	24.03	23.84	24.55	25.11	23.32	24.03	23.84	24.55	25.11
	8H	23.42	24.09	23.96	24.61	25.17	23.42	24.09	23.96	24.61	25.17
	12H	23.52	24.11	24.07	24.67	25.24	23.52	24.11	24.07	24.67	25.24
8H	4H	23.16	23.82	23.69	24.34	24.91	23.16	23.82	23.69	24.34	24.91
	6H	23.63	24.17	24.19	24.74	25.31	23.63	24.17	24.19	24.74	25.31
	8H	23.78	24.27	24.36	24.85	25.43	23.78	24.27	24.36	24.85	25.43
	12H	23.95	24.37	24.52	24.94	25.60	23.95	24.37	24.52	24.94	25.60
12H	4H	23.15	23.74	23.70	24.29	24.86	23.15	23.74	23.70	24.29	24.86
	6H	23.63	24.12	24.21	24.70	25.28	23.63	24.12	24.21	24.70	25.28
	8H	23.83	24.25	24.40	24.82	25.48	23.83	24.25	24.40	24.82	25.48

END OF REPORT