

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: P1221421

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (5000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221421
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

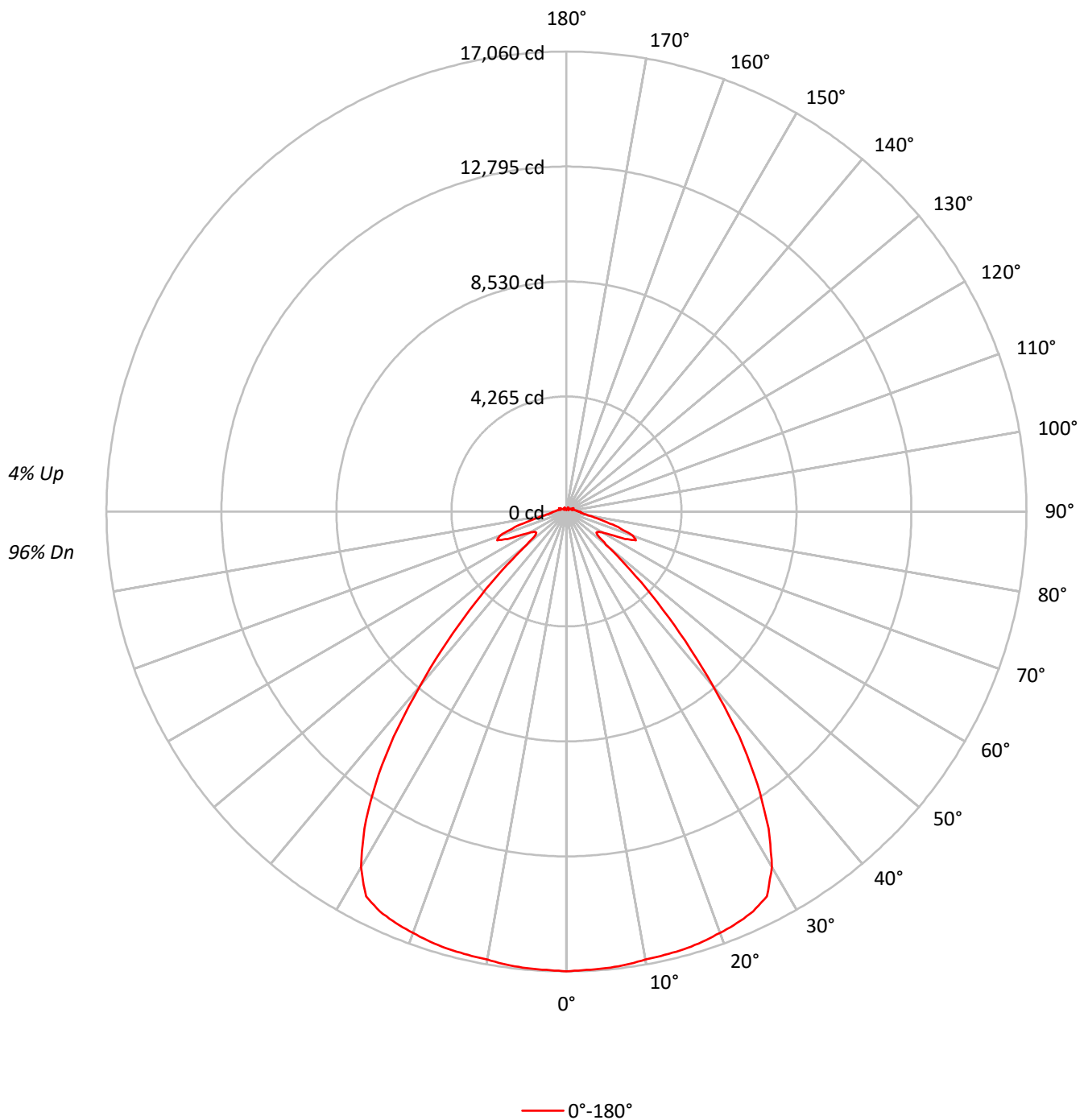
Lumens per Lamp: N/A
Luminaire Lumens: 32473.3 lumens
Efficiency: N/A
Efficacy: 168.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86	83		
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75	73		
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	64		
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	58		
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	52		
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49	47		
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	43		
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	39		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98371
5°	93674
10°	89623
15°	86797
20°	84175
25°	81847
30°	75833
35°	61685
40°	42593
45°	24509
50°	10117
55°	7456
60°	8943
65°	14570
70°	16928
75°	10920
80°	6382
85°	4812

MAXIMUM LUMINANCE 45°-90°:

Luminance: 24509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1619.8	5.0
10°-20°	4757.1	14.6
20°-30°	7498.3	23.1
30°-40°	7559.3	23.3
40°-50°	3740.2	11.5
50°-60°	1334.9	4.1
60°-70°	2280.3	7.0
70°-80°	1719.2	5.3
80°-90°	640.1	2.0
90°-100°	403.1	1.2
100°-110°	258.8	0.8
110°-120°	259.7	0.8
120°-130°	125.7	0.4
130°-140°	86.2	0.3
140°-150°	92.9	0.3
150°-160°	65.1	0.2
160°-170°	27.1	0.1
170°-180°	5.7	0.0
0°-30°	13875.1	42.7
0°-40°	21434.5	66.0
0°-60°	26509.6	81.6
0°-90°	31149.2	95.9
90°-120°	921.5	2.8
90°-150°	1226.3	3.8
90°-180°	1324.0	4.1
0°-180°	32473.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17060	
5°	17011	###
15°	16818	4757
25°	16373	7498
35°	12352	7559
45°	4764	3740
55°	1361	1335
65°	2408	2280
75°	1560	1719
85°	559	510
90°	443	246
95°	367	287
105°	218	259
115°	277	260
125°	133	126
135°	108	86
145°	151	93
155°	144	65
165°	92	27
175°	56	6
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17059.6
2.5°	17022.7
5°	17011.4
7.5°	16963.2
10°	16885.2
12.5°	16852.4
15°	16818.5
17.5°	16742.6
20°	16638.0
22.5°	16531.3
25°	16373.3
27.5°	16096.4
30°	15235.8
32.5°	13948.4
35°	12352.3
37.5°	10527.5
40°	8435.9
42.5°	6521.8
45°	4763.7
47.5°	3215.8
50°	1914.1
52.5°	1459.7
55°	1361.2
57.5°	1403.3
60°	1561.2
62.5°	1867.9
65°	2407.5
67.5°	2789.1
70°	2617.8
72.5°	2113.1
75°	1560.2
77.5°	1130.4
80°	829.8
82.5°	645.2
85°	559.0
87.5°	507.8
90°	443.1
92.5°	401.1
95°	367.2
97.5°	338.5
100°	297.5
102.5°	246.2
105°	217.5
107.5°	230.8
110°	269.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	292.3
115°	277.0
117.5°	240.0
120°	200.0
122.5°	163.1
125°	133.4
127.5°	110.8
130°	98.5
132.5°	97.4
135°	107.7
137.5°	124.1
140°	138.5
142.5°	147.7
145°	150.8
147.5°	149.8
150°	148.7
152.5°	146.7
155°	143.6
157.5°	134.4
160°	121.0
162.5°	106.7
165°	92.3
167.5°	78.0
170°	65.6
172.5°	59.5
175°	56.4
177.5°	55.4
180°	55.4

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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	14.55	15.82	14.99	16.22	16.64	14.55	15.82	14.99	16.22	16.64
	3H	20.92	22.06	21.37	22.48	22.95	20.92	22.06	21.37	22.48	22.95
	4H	21.84	22.91	22.31	23.34	23.83	21.84	22.91	22.31	23.34	23.83
	6H	22.20	23.19	22.68	23.64	24.14	22.20	23.19	22.68	23.64	24.14
	8H	22.29	23.23	22.79	23.70	24.20	22.29	23.23	22.79	23.70	24.20
	12H	22.36	23.26	22.86	23.73	24.25	22.36	23.26	22.86	23.73	24.25
4H	2H	16.75	17.82	17.22	18.26	18.74	16.75	17.82	17.22	18.26	18.74
	3H	22.05	22.95	22.53	23.43	23.93	22.05	22.95	22.53	23.43	23.93
	4H	22.95	23.76	23.45	24.26	24.80	22.95	23.76	23.45	24.26	24.80
	6H	23.35	24.06	23.88	24.58	25.14	23.35	24.06	23.88	24.58	25.14
	8H	23.46	24.12	23.99	24.64	25.21	23.46	24.12	23.99	24.64	25.21
	12H	23.56	24.15	24.11	24.70	25.27	23.56	24.15	24.11	24.70	25.27
8H	4H	23.19	23.86	23.73	24.38	24.94	23.19	23.86	23.73	24.38	24.94
	6H	23.66	24.21	24.23	24.78	25.35	23.66	24.21	24.23	24.78	25.35
	8H	23.82	24.30	24.40	24.89	25.47	23.82	24.30	24.40	24.89	25.47
	12H	23.98	24.41	24.56	24.97	25.63	23.98	24.41	24.56	24.97	25.63
12H	4H	23.18	23.77	23.73	24.33	24.90	23.18	23.77	23.73	24.33	24.90
	6H	23.66	24.15	24.25	24.74	25.32	23.66	24.15	24.25	24.74	25.32
	8H	23.86	24.29	24.44	24.85	25.51	23.86	24.29	24.44	24.85	25.51