

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: P1221432

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221432
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-27)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

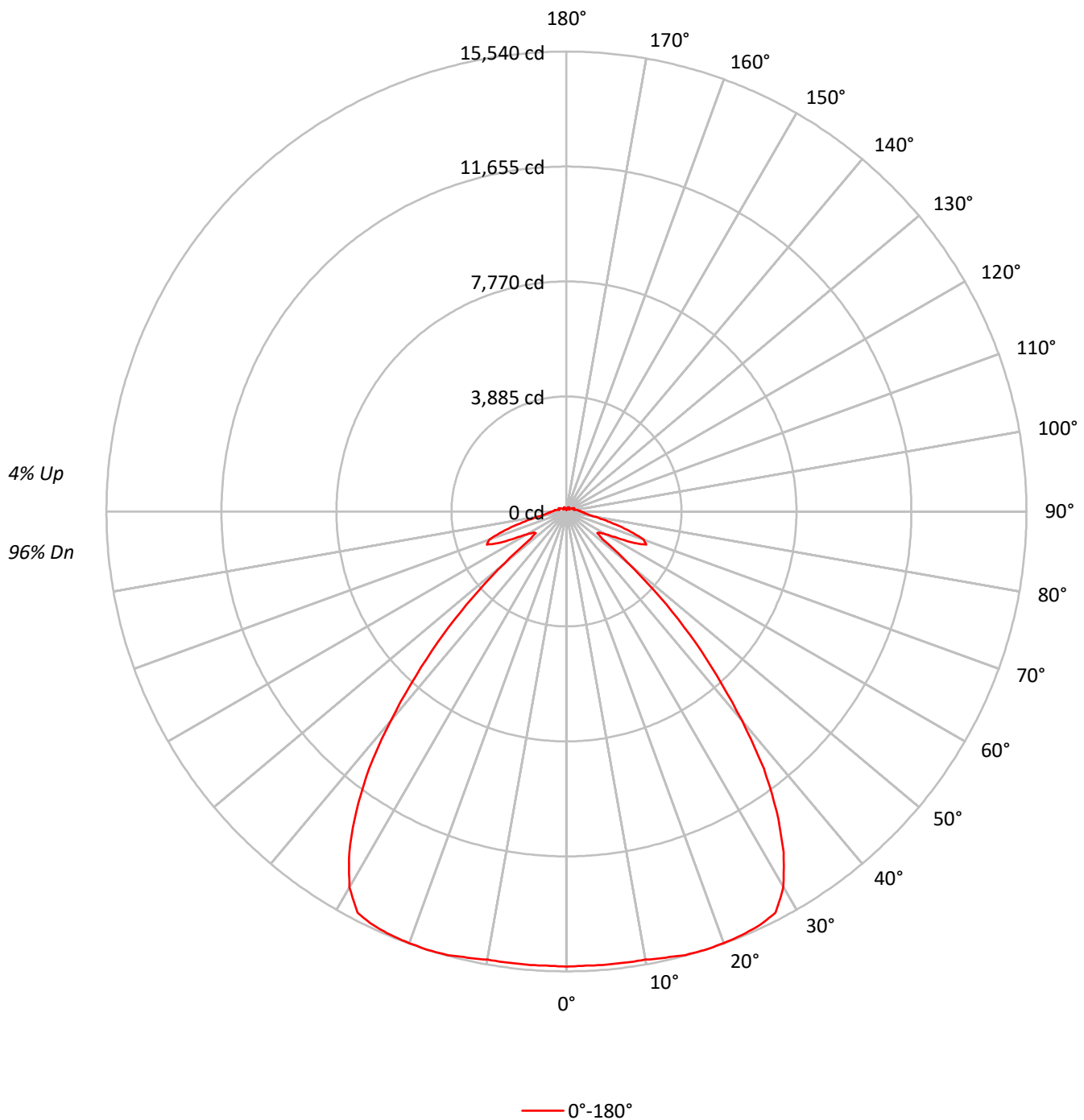
Lumens per Lamp: N/A
Luminaire Lumens: 32803.1 lumens
Efficiency: N/A
Efficacy: 169.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																					
0	118	118	118	118		115	115	115	115		109	109	109		103	103	103		98	98	98
1	109	105	101	97		106	102	99	95		97	94	92		93	90	88		88	87	85
2	101	93	87	82		98	91	86	81		87	83	79		83	80	76		80	77	74
3	93	84	77	71		91	82	76	70		79	73	69		76	71	67		73	69	65
4	87	76	68	63		84	75	67	62		72	66	61		69	64	59		66	62	58
5	81	69	61	56		78	68	61	55		66	59	54		63	58	53		61	56	52
6	75	63	56	50		73	62	55	50		60	54	49		58	52	48		56	51	47
7	70	58	51	45		69	57	50	45		56	49	44		54	48	44		52	47	43
8	66	54	46	41		64	53	46	41		51	45	40		50	44	40		49	43	39
9	62	50	43	37		61	49	42	37		48	41	37		46	41	37		45	40	36
10	58	46	39	34		57	46	39	34		45	38	34		43	38	34		42	37	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88686
5°	84673
10°	81633
15°	80080
20°	78519
25°	77115
30°	72968
35°	61843
40°	46528
45°	30343
50°	14376
55°	6923
60°	8794
65°	15287
70°	17909
75°	12009
80°	7074
85°	5243

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 30343 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1467.6	4.5
10°-20°	4392.4	13.4
20°-30°	7084.7	21.6
30°-40°	7617.8	23.2
40°-50°	4512.8	13.8
50°-60°	1397.2	4.3
60°-70°	2372.0	7.2
70°-80°	1867.0	5.7
80°-90°	700.9	2.1
90°-100°	442.0	1.3
100°-110°	274.8	0.8
110°-120°	260.3	0.8
120°-130°	126.0	0.4
130°-140°	87.4	0.3
140°-150°	97.3	0.3
150°-160°	67.8	0.2
160°-170°	28.9	0.1
170°-180°	6.0	0.0
0°-30°	12944.8	39.5
0°-40°	20562.6	62.7
0°-60°	26472.6	80.7
0°-90°	31412.5	95.8
90°-120°	977.1	3.0
90°-150°	1287.9	3.9
90°-180°	1391.0	4.2
0°-180°	32803.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15380	
5°	15377	###
15°	15517	4392
25°	15427	7085
35°	12384	7618
45°	5898	4513
55°	1264	1397
65°	2526	2372
75°	1716	1867
85°	609	559
90°	483	268
95°	404	315
105°	232	275
115°	277	260
125°	133	126
135°	109	87
145°	158	97
155°	148	68
165°	98	29
175°	60	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15379.9
2.5°	15360.7
5°	15376.9
7.5°	15374.9
10°	15379.9
12.5°	15440.9
15°	15517.0
17.5°	15540.4
20°	15520.1
22.5°	15495.7
25°	15426.7
27.5°	15291.6
30°	14660.1
32.5°	13654.0
35°	12384.0
37.5°	10952.5
40°	9215.4
42.5°	7511.8
45°	5897.6
47.5°	4285.3
50°	2719.8
52.5°	1535.1
55°	1264.0
57.5°	1337.1
60°	1535.1
62.5°	1922.9
65°	2525.9
67.5°	2917.8
70°	2769.6
72.5°	2275.2
75°	1715.8
77.5°	1251.8
80°	919.8
82.5°	709.7
85°	609.1
87.5°	551.3
90°	483.3
92.5°	440.6
95°	404.1
97.5°	370.6
100°	325.9
102.5°	270.1
105°	232.5
107.5°	236.6
110°	272.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	292.4
115°	277.2
117.5°	240.6
120°	201.0
122.5°	163.5
125°	133.0
127.5°	111.7
130°	98.5
132.5°	97.5
135°	108.6
137.5°	126.9
140°	144.2
142.5°	155.3
145°	158.4
147.5°	157.4
150°	154.3
152.5°	152.3
155°	148.2
157.5°	141.1
160°	127.9
162.5°	114.7
165°	98.5
167.5°	83.3
170°	70.1
172.5°	62.9
175°	59.9
177.5°	58.9
180°	58.9

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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	14.15	15.45	14.58	15.85	16.28	14.15	15.45	14.58	15.85	16.28
	3H	21.09	22.27	21.54	22.68	23.15	21.09	22.27	21.54	22.68	23.15
	4H	22.10	23.20	22.57	23.64	24.13	22.10	23.20	22.57	23.64	24.13
	6H	22.51	23.53	23.00	23.99	24.48	22.51	23.53	23.00	23.99	24.48
	8H	22.61	23.58	23.11	24.06	24.56	22.61	23.58	23.11	24.06	24.56
	12H	22.69	23.62	23.20	24.09	24.62	22.69	23.62	23.20	24.09	24.62
4H	2H	16.69	17.80	17.16	18.23	18.72	16.69	17.80	17.16	18.23	18.72
	3H	22.27	23.20	22.76	23.69	24.19	22.27	23.20	22.76	23.69	24.19
	4H	23.26	24.10	23.76	24.60	25.14	23.26	24.10	23.76	24.60	25.14
	6H	23.71	24.45	24.24	24.97	25.53	23.71	24.45	24.24	24.97	25.53
	8H	23.83	24.52	24.37	25.04	25.61	23.83	24.52	24.37	25.04	25.61
	12H	23.94	24.55	24.49	25.11	25.68	23.94	24.55	24.49	25.11	25.68
8H	4H	23.53	24.22	24.07	24.74	25.31	23.53	24.22	24.07	24.74	25.31
	6H	24.05	24.62	24.62	25.19	25.76	24.05	24.62	24.62	25.19	25.76
	8H	24.22	24.73	24.80	25.31	25.90	24.22	24.73	24.80	25.31	25.90
	12H	24.39	24.84	24.97	25.41	26.07	24.39	24.84	24.97	25.41	26.07
12H	4H	23.53	24.14	24.08	24.70	25.27	23.53	24.14	24.08	24.70	25.27
	6H	24.06	24.57	24.64	25.15	25.74	24.06	24.57	24.64	25.15	25.74
	8H	24.27	24.72	24.85	25.28	25.94	24.27	24.72	24.85	25.28	25.94

END OF REPORT