

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: P1221435

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (6500K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221435
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_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

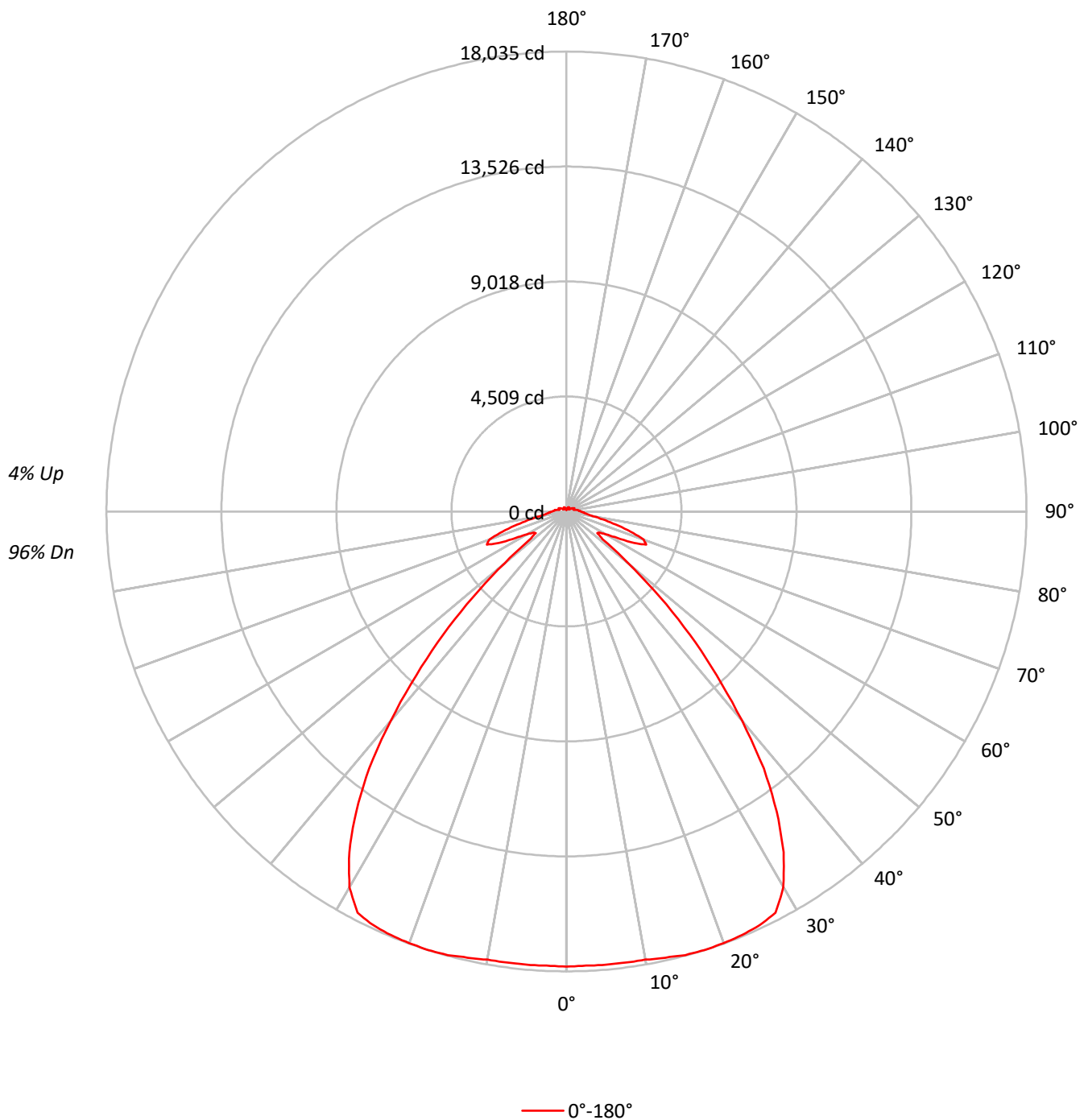
Lumens per Lamp: N/A
Luminaire Lumens: 38069.5 lumens
Efficiency: N/A
Efficacy: 165.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	88	87	85	83		
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	72		
3	93	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	65	63		
4	87	76	68	63	84	75	67	62	72	66	61	69	64	59	66	62	58	56		
5	81	69	61	56	78	68	61	55	66	59	54	63	58	53	61	56	52	50		
6	75	63	56	50	73	62	55	50	60	54	49	58	52	48	56	51	47	45		
7	70	58	51	45	69	57	50	45	56	49	44	54	48	44	52	47	43	41		
8	66	54	46	41	64	53	46	41	51	45	40	50	44	40	49	43	39	38		
9	62	50	43	37	61	49	42	37	48	41	37	46	41	37	45	40	36	34		
10	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33	32		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102924
5°	98268
10°	94740
15°	92937
20°	91125
25°	89496
30°	84683
35°	71772
40°	53998
45°	35214
50°	16684
55°	8035
60°	10205
65°	17741
70°	20785
75°	13936
80°	8210
85°	6085

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35214 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1703.3	4.5
10°-20°	5097.6	13.4
20°-30°	8222.2	21.6
30°-40°	8840.8	23.2
40°-50°	5237.4	13.8
50°-60°	1621.5	4.3
60°-70°	2752.8	7.2
70°-80°	2166.7	5.7
80°-90°	813.4	2.1
90°-100°	513.0	1.3
100°-110°	318.9	0.8
110°-120°	302.1	0.8
120°-130°	146.2	0.4
130°-140°	101.5	0.3
140°-150°	113.0	0.3
150°-160°	78.6	0.2
160°-170°	33.5	0.1
170°-180°	7.0	0.0
0°-30°	15023.1	39.5
0°-40°	23863.9	62.7
0°-60°	30722.8	80.7
0°-90°	36455.8	95.8
90°-120°	1133.9	3.0
90°-150°	1494.6	3.9
90°-180°	1614.0	4.2
0°-180°	38069.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17849	
5°	17846	###
15°	18008	5098
25°	17903	8222
35°	14372	8841
45°	6844	5237
55°	1467	1622
65°	2932	2753
75°	1991	2167
85°	707	649
90°	561	311
95°	469	366
105°	270	319
115°	322	302
125°	154	146
135°	126	101
145°	184	113
155°	172	79
165°	114	34
175°	70	7
180°	68	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17849.2
2.5°	17826.9
5°	17845.7
7.5°	17843.4
10°	17849.2
12.5°	17919.9
15°	18008.3
17.5°	18035.4
20°	18011.8
22.5°	17983.6
25°	17903.4
27.5°	17746.7
30°	17013.9
32.5°	15846.2
35°	14372.2
37.5°	12710.9
40°	10694.9
42.5°	8717.8
45°	6844.4
47.5°	4973.4
50°	3156.5
52.5°	1781.5
55°	1466.9
57.5°	1551.7
60°	1781.5
62.5°	2231.6
65°	2931.5
67.5°	3386.3
70°	3214.3
72.5°	2640.4
75°	1991.2
77.5°	1452.8
80°	1067.5
82.5°	823.6
85°	706.9
87.5°	639.8
90°	560.8
92.5°	511.4
95°	468.9
97.5°	430.1
100°	378.2
102.5°	313.4
105°	269.8
107.5°	274.5
110°	315.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	339.3
115°	321.7
117.5°	279.2
120°	233.3
122.5°	189.7
125°	154.4
127.5°	129.6
130°	114.3
132.5°	113.1
135°	126.1
137.5°	147.3
140°	167.3
142.5°	180.3
145°	183.8
147.5°	182.6
150°	179.1
152.5°	176.7
155°	172.0
157.5°	163.8
160°	148.5
162.5°	133.1
165°	114.3
167.5°	96.6
170°	81.3
172.5°	73.1
175°	69.5
177.5°	68.3
180°	68.3

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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	14.66	15.97	15.10	16.37	16.79	14.66	15.97	15.10	16.37	16.79
	3H	21.61	22.78	22.06	23.20	23.67	21.61	22.78	22.06	23.20	23.67
	4H	22.62	23.72	23.09	24.16	24.64	22.62	23.72	23.09	24.16	24.64
	6H	23.03	24.05	23.51	24.50	25.00	23.03	24.05	23.51	24.50	25.00
	8H	23.13	24.10	23.63	24.58	25.08	23.13	24.10	23.63	24.58	25.08
	12H	23.21	24.14	23.71	24.61	25.14	23.21	24.14	23.71	24.61	25.14
4H	2H	17.21	18.31	17.68	18.75	19.23	17.21	18.31	17.68	18.75	19.23
	3H	22.79	23.72	23.28	24.21	24.71	22.79	23.72	23.28	24.21	24.71
	4H	23.78	24.62	24.28	25.11	25.66	23.78	24.62	24.28	25.11	25.66
	6H	24.23	24.96	24.76	25.49	26.05	24.23	24.96	24.76	25.49	26.05
	8H	24.35	25.04	24.88	25.56	26.13	24.35	25.04	24.88	25.56	26.13
	12H	24.46	25.07	25.01	25.63	26.20	24.46	25.07	25.01	25.63	26.20
8H	4H	24.05	24.74	24.58	25.26	25.83	24.05	24.74	24.58	25.26	25.83
	6H	24.57	25.13	25.13	25.70	26.28	24.57	25.13	25.13	25.70	26.28
	8H	24.74	25.24	25.32	25.83	26.41	24.74	25.24	25.32	25.83	26.41
	12H	24.91	25.36	25.49	25.92	26.58	24.91	25.36	25.49	25.92	26.58
12H	4H	24.04	24.66	24.60	25.21	25.78	24.04	24.66	24.60	25.21	25.78
	6H	24.58	25.08	25.16	25.67	26.25	24.58	25.08	25.16	25.67	26.25
	8H	24.79	25.23	25.37	25.80	26.46	24.79	25.23	25.37	25.80	26.46

END OF REPORT