

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: P1221507

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221507
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
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 (4000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

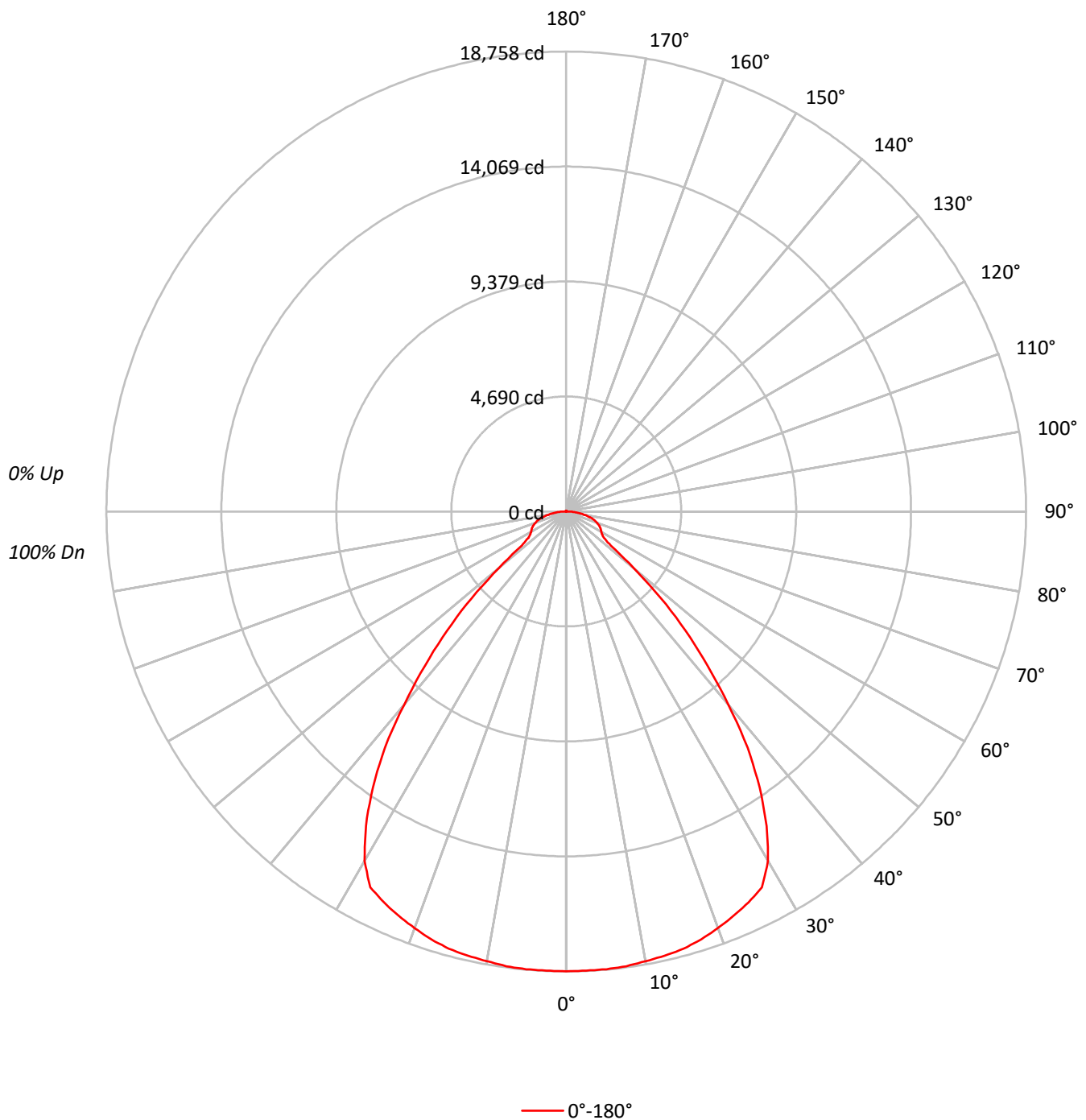
Lumens per Lamp: N/A
Luminaire Lumens: 33830.9 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	97	91	87		101	95	90	86		92	87	84		88	85	82		85	83	80
3	96	88	81	76		94	86	80	75		83	78	74		81	76	73		78	75	72
4	90	80	73	67		88	79	72	67		76	71	66		74	69	65		72	68	64
5	84	73	66	60		82	72	65	60		70	64	59		68	63	59		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		61	57	53
7	73	62	54	49		72	61	54	49		60	53	49		58	53	48		57	52	48
8	69	57	50	45		68	57	50	45		55	49	44		54	48	44		53	48	44
9	65	53	46	41		64	53	46	41		51	45	41		50	45	41		49	44	40
10	61	49	42	38		60	49	42	38		48	42	38		47	41	37		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108163
5°	103205
10°	98870
15°	95299
20°	91492
25°	87958
30°	81908
35°	68709
40°	51939
45°	35388
50°	18927
55°	10268
60°	9475
65°	9213
70°	8603
75°	7469
80°	5563
85°	3032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1785.4	5.3
10°-20°	5214.0	15.4
20°-30°	8082.4	23.9
30°-40°	8482.3	25.1
40°-50°	5265.7	15.6
50°-60°	1893.6	5.6
60°-70°	1497.3	4.4
70°-80°	1109.3	3.3
80°-90°	388.0	1.1
90°-100°	11.7	0.0
100°-110°	12.4	0.0
110°-120°	12.9	0.0
120°-130°	13.9	0.0
130°-140°	15.7	0.0
140°-150°	18.7	0.1
150°-160°	16.2	0.0
160°-170°	8.4	0.0
170°-180°	2.9	0.0
0°-30°	15081.8	44.6
0°-40°	23564.1	69.7
0°-60°	30723.5	90.8
0°-90°	33718.1	99.7
90°-120°	37.0	0.1
90°-150°	85.3	0.3
90°-180°	113.0	0.3
0°-180°	33830.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18758	
5°	18742	###
15°	18466	5214
25°	17596	8082
35°	13759	8482
45°	6878	5266
55°	1875	1894
65°	1522	1497
75°	1067	1109
85°	352	364
90°	11	27
95°	11	9
105°	12	12
115°	13	13
125°	15	14
135°	20	16
145°	30	19
155°	36	16
165°	30	8
175°	30	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18757.7
2.5°	18741.1
5°	18742.3
7.5°	18706.7
10°	18627.3
12.5°	18557.3
15°	18466.0
17.5°	18303.6
20°	18084.3
22.5°	17851.9
25°	17595.7
27.5°	17294.6
30°	16456.3
32.5°	15210.1
35°	13758.8
37.5°	12148.7
40°	10287.1
42.5°	8514.5
45°	6878.2
47.5°	5233.7
50°	3580.8
52.5°	2280.1
55°	1874.6
57.5°	1732.3
60°	1654.0
62.5°	1591.2
65°	1522.4
67.5°	1435.9
70°	1330.4
72.5°	1208.2
75°	1067.1
77.5°	901.1
80°	723.3
82.5°	539.5
85°	352.2
87.5°	167.2
90°	10.7
92.5°	10.7
95°	10.7
97.5°	10.7
100°	10.7
102.5°	11.9
105°	11.9
107.5°	11.9
110°	11.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.0
115°	13.0
117.5°	13.0
120°	14.2
122.5°	14.2
125°	15.4
127.5°	16.6
130°	17.8
132.5°	19.0
135°	20.2
137.5°	21.3
140°	23.7
142.5°	27.3
145°	29.6
147.5°	33.2
150°	36.8
152.5°	36.8
155°	35.6
157.5°	33.2
160°	30.8
162.5°	29.6
165°	29.6
167.5°	29.6
170°	29.6
172.5°	29.6
175°	29.6
177.5°	32.0
180°	33.2

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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	15.99	17.29	16.36	17.61	17.94	15.99	17.29	16.36	17.61	17.94
	3H	18.21	19.37	18.59	19.71	20.08	18.21	19.37	18.59	19.71	20.08
	4H	19.05	20.14	19.46	20.49	20.89	19.05	20.14	19.46	20.49	20.89
	6H	19.63	20.63	20.05	21.01	21.41	19.63	20.63	20.05	21.01	21.41
	8H	19.79	20.74	20.23	21.14	21.55	19.79	20.74	20.23	21.14	21.55
	12H	19.87	20.78	20.31	21.17	21.61	19.87	20.78	20.31	21.17	21.61
4H	2H	16.64	17.72	17.05	18.08	18.47	16.64	17.72	17.05	18.08	18.47
	3H	19.03	19.92	19.45	20.33	20.74	19.03	19.92	19.45	20.33	20.74
	4H	19.98	20.78	20.42	21.21	21.66	19.98	20.78	20.42	21.21	21.66
	6H	20.66	21.36	21.13	21.81	22.29	20.66	21.36	21.13	21.81	22.29
	8H	20.86	21.51	21.33	21.96	22.44	20.86	21.51	21.33	21.96	22.44
	12H	20.97	21.54	21.46	22.03	22.52	20.97	21.54	21.46	22.03	22.52
8H	4H	20.25	20.90	20.73	21.36	21.84	20.25	20.90	20.73	21.36	21.84
	6H	21.04	21.57	21.55	22.08	22.56	21.04	21.57	21.55	22.08	22.56
	8H	21.29	21.77	21.82	22.29	22.79	21.29	21.77	21.82	22.29	22.79
	12H	21.46	21.88	21.98	22.38	22.96	21.46	21.88	21.98	22.38	22.96
12H	4H	20.26	20.84	20.76	21.33	21.81	20.26	20.84	20.76	21.33	21.81
	6H	21.07	21.55	21.59	22.07	22.57	21.07	21.55	21.59	22.07	22.57
	8H	21.37	21.79	21.89	22.29	22.87	21.37	21.79	21.89	22.29	22.87