

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: P1221451

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221451
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

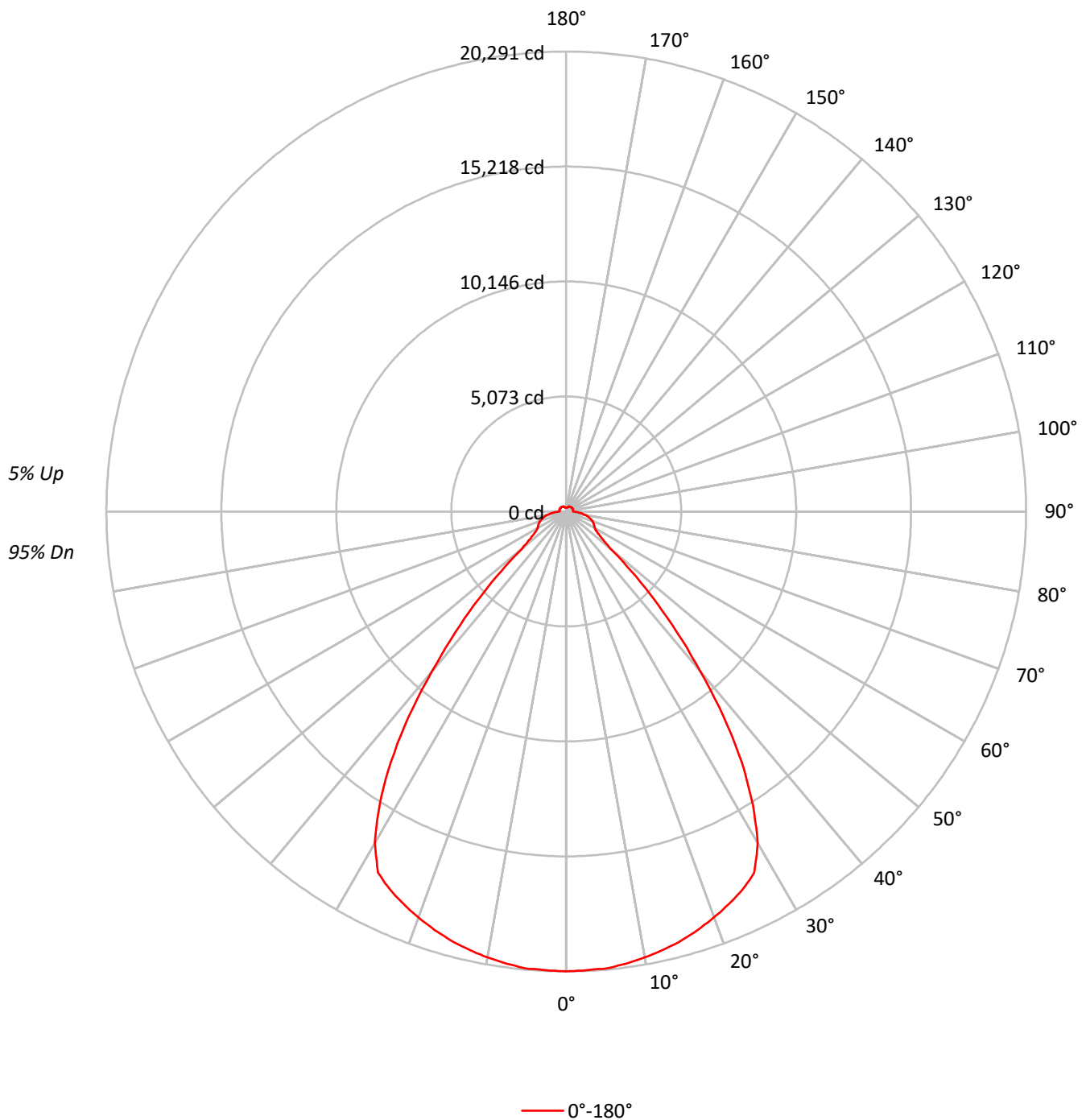
Lumens per Lamp: N/A
Luminaire Lumens: 34877.7 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117005
5°	111420
10°	106050
15°	101202
20°	96444
25°	92033
30°	84093
35°	67368
40°	46414
45°	28052
50°	13397
55°	9554
60°	8323
65°	8189
70°	7903
75°	7343
80°	6310
85°	4755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 28052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1922.9	5.5
10°-20°	5534.8	15.9
20°-30°	8433.4	24.2
30°-40°	8274.2	23.7
40°-50°	4274.6	12.3
50°-60°	1628.2	4.7
60°-70°	1334.5	3.8
70°-80°	1097.0	3.1
80°-90°	601.5	1.7
90°-100°	324.8	0.9
100°-110°	325.5	0.9
110°-120°	304.7	0.9
120°-130°	265.6	0.8
130°-140°	216.5	0.6
140°-150°	163.0	0.5
150°-160°	107.4	0.3
160°-170°	53.7	0.2
170°-180°	15.3	0.0
0°-30°	15891.1	45.6
0°-40°	24165.3	69.3
0°-60°	30068.1	86.2
0°-90°	33101.1	94.9
90°-120°	955.0	2.7
90°-150°	1600.1	4.6
90°-180°	1777.0	5.1
0°-180°	34877.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20291	
5°	20234	###
15°	19610	5535
25°	18411	8433
35°	13490	8274
45°	5452	4275
55°	1744	1628
65°	1353	1334
75°	1049	1097
85°	552	505
90°	290	176
95°	298	245
105°	309	325
115°	308	305
125°	296	266
135°	280	216
145°	259	163
155°	232	107
165°	187	54
175°	160	15
180°	159	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20291.1
2.5°	20258.6
5°	20234.2
7.5°	20130.9
10°	19980.1
12.5°	19804.8
15°	19609.9
17.5°	19351.1
20°	19063.2
22.5°	18751.0
25°	18411.0
27.5°	17964.2
30°	16895.3
32.5°	15332.1
35°	13490.3
37.5°	11422.2
40°	9192.7
42.5°	7231.4
45°	5452.3
47.5°	3894.8
50°	2534.6
52.5°	2012.4
55°	1744.3
57.5°	1548.2
60°	1453.0
62.5°	1398.5
65°	1353.2
67.5°	1294.0
70°	1222.1
72.5°	1140.8
75°	1049.1
77.5°	942.4
80°	820.5
82.5°	689.4
85°	552.4
87.5°	410.8
90°	290.1
92.5°	293.6
95°	298.3
97.5°	301.7
100°	304.1
102.5°	306.4
105°	308.7
107.5°	308.7
110°	309.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	308.7
115°	307.5
117.5°	305.2
120°	302.9
122.5°	299.4
125°	295.9
127.5°	292.5
130°	289.0
132.5°	283.2
135°	279.7
137.5°	275.1
140°	269.2
142.5°	264.6
145°	258.8
147.5°	254.2
150°	248.4
152.5°	240.2
155°	232.1
157.5°	221.7
160°	211.2
162.5°	198.5
165°	186.8
167.5°	175.2
170°	163.6
172.5°	160.2
175°	160.2
177.5°	159.0
180°	159.0

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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	14.94	16.12	15.39	16.54	16.99	14.94	16.12	15.39	16.54	16.99
	3H	17.20	18.26	17.67	18.70	19.19	17.20	18.26	17.67	18.70	19.19
	4H	18.17	19.16	18.66	19.61	20.12	18.17	19.16	18.66	19.61	20.12
	6H	18.96	19.87	19.47	20.35	20.86	18.96	19.87	19.47	20.35	20.86
	8H	19.25	20.12	19.77	20.61	21.14	19.25	20.12	19.77	20.61	21.14
	12H	19.47	20.30	19.99	20.78	21.33	19.47	20.30	19.99	20.78	21.33
4H	2H	15.55	16.55	16.05	17.00	17.51	15.55	16.55	16.05	17.00	17.51
	3H	18.02	18.85	18.53	19.35	19.88	18.02	18.85	18.53	19.35	19.88
	4H	19.12	19.86	19.64	20.38	20.94	19.12	19.86	19.64	20.38	20.94
	6H	20.05	20.69	20.60	21.23	21.81	20.05	20.69	20.60	21.23	21.81
	8H	20.39	21.00	20.95	21.54	22.12	20.39	21.00	20.95	21.54	22.12
	12H	20.67	21.20	21.24	21.78	22.37	20.67	21.20	21.24	21.78	22.37
8H	4H	19.45	20.05	20.01	20.59	21.18	19.45	20.05	20.01	20.59	21.18
	6H	20.52	21.02	21.11	21.60	22.20	20.52	21.02	21.11	21.60	22.20
	8H	20.96	21.41	21.56	22.01	22.62	20.96	21.41	21.56	22.01	22.62
	12H	21.34	21.74	21.94	22.32	23.00	21.34	21.74	21.94	22.32	23.00
12H	4H	19.49	20.02	20.06	20.59	21.18	19.49	20.02	20.06	20.59	21.18
	6H	20.59	21.04	21.20	21.64	22.25	20.59	21.04	21.20	21.64	22.25
	8H	21.09	21.49	21.69	22.07	22.75	21.09	21.49	21.69	22.07	22.75

END OF REPORT