

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: P1221478

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (6500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221478
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

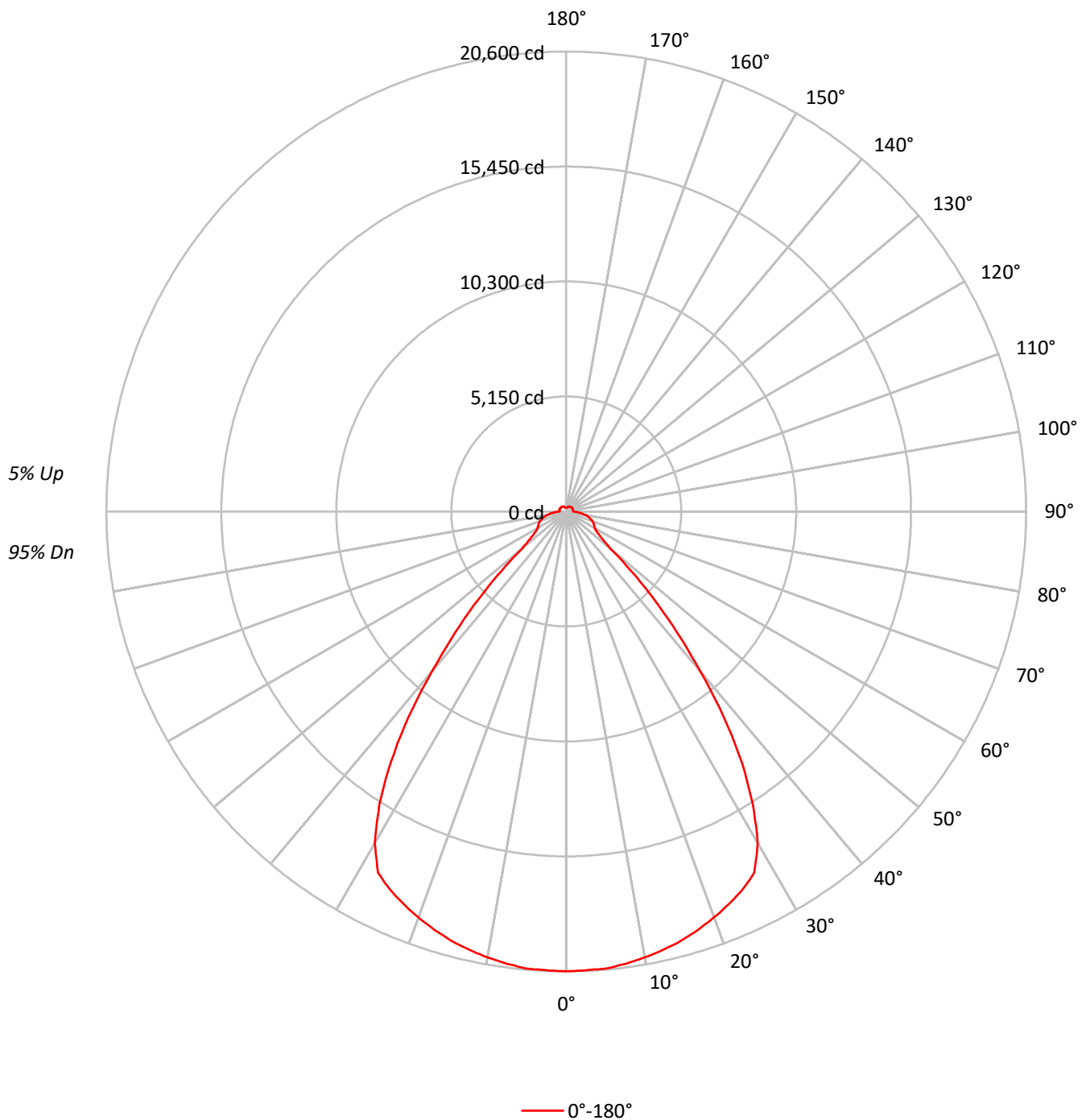
Lumens per Lamp: N/A
Luminaire Lumens: 35409.3 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	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	97	97	97	97	97			
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	86	86	86	86	84			
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	77	77	77	77	75			
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	69	69	69	69	67			
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	62	62	62	62	60			
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	57	57	57	57	55			
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	52	52	52	52	50			
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	47	47	47	47	45			
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	43	43	43	43	42			
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118789
5°	113119
10°	107667
15°	102745
20°	97915
25°	93436
30°	85375
35°	68395
40°	47122
45°	28480
50°	13602
55°	9700
60°	8450
65°	8314
70°	8023
75°	7455
80°	6406
85°	4827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28480 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1952.3	5.5
10°-20°	5619.2	15.9
20°-30°	8562.0	24.2
30°-40°	8400.3	23.7
40°-50°	4339.7	12.3
50°-60°	1653.1	4.7
60°-70°	1354.8	3.8
70°-80°	1113.7	3.1
80°-90°	610.7	1.7
90°-100°	329.7	0.9
100°-110°	330.5	0.9
110°-120°	309.4	0.9
120°-130°	269.7	0.8
130°-140°	219.8	0.6
140°-150°	165.5	0.5
150°-160°	109.0	0.3
160°-170°	54.5	0.2
170°-180°	15.6	0.0
0°-30°	16133.4	45.6
0°-40°	24533.7	69.3
0°-60°	30526.5	86.2
0°-90°	33605.7	94.9
90°-120°	969.6	2.7
90°-150°	1624.5	4.6
90°-180°	1804.0	5.1
0°-180°	35409.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20600	
5°	20543	###
15°	19909	5619
25°	18692	8562
35°	13696	8400
45°	5535	4340
55°	1771	1653
65°	1374	1355
75°	1065	1114
85°	561	513
90°	295	179
95°	303	248
105°	313	330
115°	312	309
125°	300	270
135°	284	220
145°	263	165
155°	236	109
165°	190	55
175°	163	16
180°	161	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20600.4
2.5°	20567.5
5°	20542.7
7.5°	20437.8
10°	20284.7
12.5°	20106.8
15°	19908.8
17.5°	19646.1
20°	19353.9
22.5°	19036.9
25°	18691.7
27.5°	18238.1
30°	17152.9
32.5°	15565.8
35°	13695.9
37.5°	11596.3
40°	9332.9
42.5°	7341.6
45°	5535.4
47.5°	3954.2
50°	2573.3
52.5°	2043.1
55°	1770.9
57.5°	1571.8
60°	1475.2
62.5°	1419.8
65°	1373.8
67.5°	1313.7
70°	1240.7
72.5°	1158.2
75°	1065.1
77.5°	956.7
80°	833.0
82.5°	699.9
85°	560.8
87.5°	417.1
90°	294.6
92.5°	298.1
95°	302.8
97.5°	306.3
100°	308.7
102.5°	311.1
105°	313.4
107.5°	313.4
110°	314.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	313.4
115°	312.2
117.5°	309.9
120°	307.5
122.5°	304.0
125°	300.5
127.5°	296.9
130°	293.4
132.5°	287.5
135°	284.0
137.5°	279.2
140°	273.4
142.5°	268.6
145°	262.7
147.5°	258.0
150°	252.1
152.5°	243.9
155°	235.6
157.5°	225.0
160°	214.4
162.5°	201.5
165°	189.7
167.5°	177.9
170°	166.1
172.5°	162.6
175°	162.6
177.5°	161.4
180°	161.4

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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	14.99	16.18	15.44	16.60	17.04	14.99	16.18	15.44	16.60	17.04
	3H	17.26	18.31	17.72	18.75	19.24	17.26	18.31	17.72	18.75	19.24
	4H	18.22	19.21	18.71	19.67	20.18	18.22	19.21	18.71	19.67	20.18
	6H	19.01	19.93	19.52	20.40	20.92	19.01	19.93	19.52	20.40	20.92
	8H	19.30	20.17	19.82	20.66	21.19	19.30	20.17	19.82	20.66	21.19
	12H	19.52	20.35	20.04	20.83	21.39	19.52	20.35	20.04	20.83	21.39
4H	2H	15.61	16.60	16.10	17.05	17.56	15.61	16.60	16.10	17.05	17.56
	3H	18.08	18.90	18.58	19.40	19.93	18.08	18.90	18.58	19.40	19.93
	4H	19.17	19.91	19.69	20.43	20.99	19.17	19.91	19.69	20.43	20.99
	6H	20.10	20.74	20.65	21.28	21.87	20.10	20.74	20.65	21.28	21.87
	8H	20.45	21.05	21.00	21.59	22.18	20.45	21.05	21.00	21.59	22.18
	12H	20.72	21.26	21.29	21.83	22.42	20.72	21.26	21.29	21.83	22.42
8H	4H	19.51	20.11	20.06	20.65	21.24	19.51	20.11	20.06	20.65	21.24
	6H	20.57	21.07	21.16	21.66	22.25	20.57	21.07	21.16	21.66	22.25
	8H	21.01	21.46	21.62	22.06	22.67	21.01	21.46	21.62	22.06	22.67
	12H	21.40	21.79	21.99	22.37	23.05	21.40	21.79	21.99	22.37	23.05
12H	4H	19.54	20.07	20.11	20.64	21.24	19.54	20.07	20.11	20.64	21.24
	6H	20.64	21.09	21.25	21.69	22.30	20.64	21.09	21.25	21.69	22.30
	8H	21.15	21.54	21.74	22.12	22.81	21.15	21.54	21.74	22.12	22.81