

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: P1221439

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221439
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

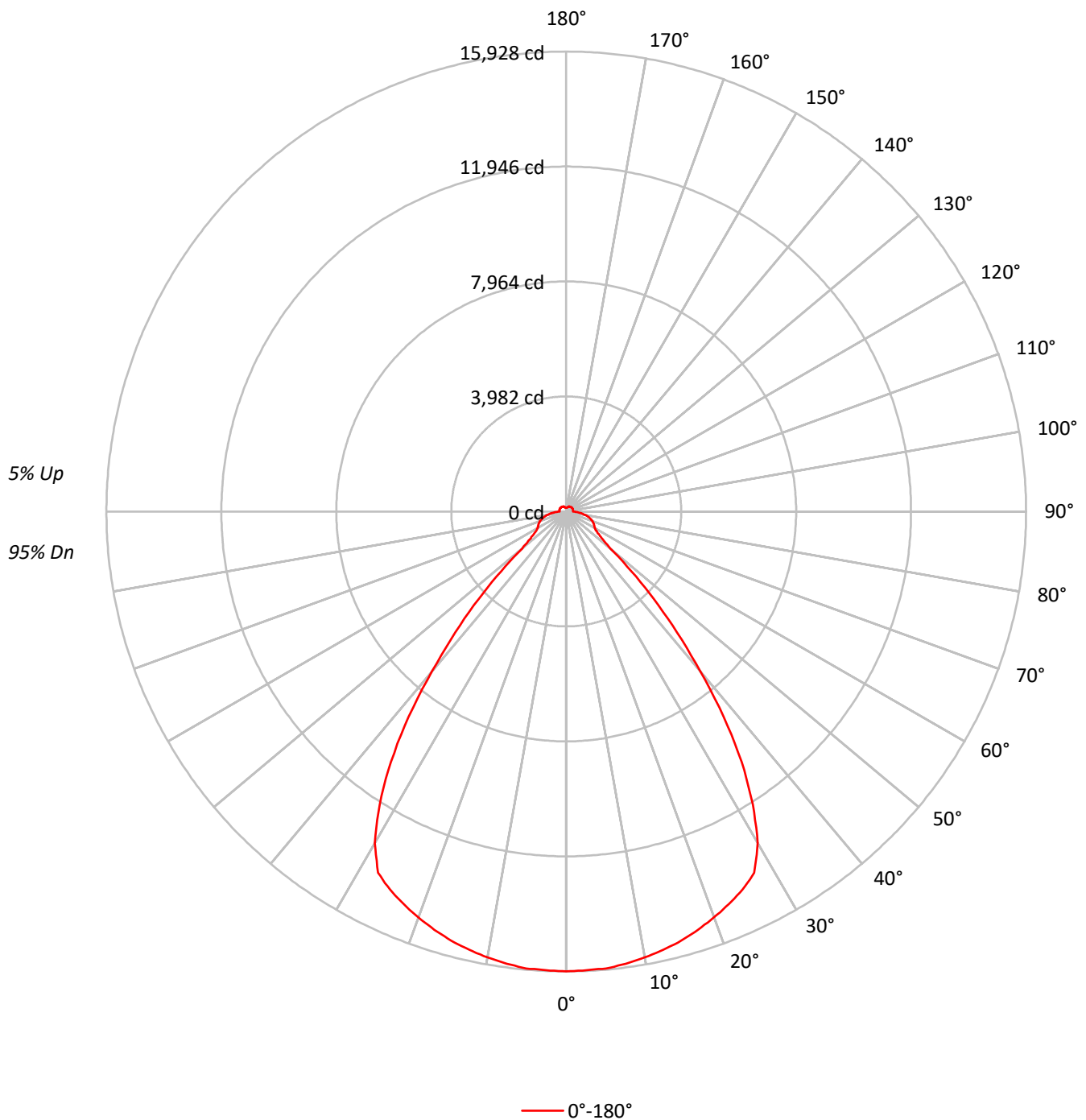
Lumens per Lamp: N/A
Luminaire Lumens: 27378.1 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95		
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	84		
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	75		
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	67		
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	60		
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	55		
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	45		
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91846
5°	87462
10°	83247
15°	79441
20°	75707
25°	72244
30°	66011
35°	52882
40°	36434
45°	22020
50°	10516
55°	7499
60°	6534
65°	6428
70°	6203
75°	5764
80°	4954
85°	3732

MAXIMUM LUMINANCE 45°-90°:

Luminance: 22020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1509.5	5.5
10°-20°	4344.7	15.9
20°-30°	6620.0	24.2
30°-40°	6495.0	23.7
40°-50°	3355.4	12.3
50°-60°	1278.1	4.7
60°-70°	1047.5	3.8
70°-80°	861.1	3.1
80°-90°	472.2	1.7
90°-100°	255.0	0.9
100°-110°	255.5	0.9
110°-120°	239.2	0.9
120°-130°	208.5	0.8
130°-140°	169.9	0.6
140°-150°	128.0	0.5
150°-160°	84.3	0.3
160°-170°	42.1	0.2
170°-180°	12.0	0.0
0°-30°	12474.2	45.6
0°-40°	18969.2	69.3
0°-60°	23602.7	86.2
0°-90°	25983.6	94.9
90°-120°	749.6	2.7
90°-150°	1256.1	4.6
90°-180°	1395.0	5.1
0°-180°	27378.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15928	
5°	15883	###
15°	15393	4345
25°	14452	6620
35°	10590	6495
45°	4280	3355
55°	1369	1278
65°	1062	1048
75°	824	861
85°	434	397
90°	228	138
95°	234	192
105°	242	255
115°	241	239
125°	232	209
135°	220	170
145°	203	128
155°	182	84
165°	147	42
175°	126	12
180°	125	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15928.0
2.5°	15902.5
5°	15883.4
7.5°	15802.3
10°	15683.9
12.5°	15546.3
15°	15393.3
17.5°	15190.1
20°	14964.2
22.5°	14719.1
25°	14452.2
27.5°	14101.5
30°	13262.4
32.5°	12035.3
35°	10589.5
37.5°	8966.1
40°	7216.1
42.5°	5676.5
45°	4279.9
47.5°	3057.3
50°	1989.6
52.5°	1579.7
55°	1369.2
57.5°	1215.3
60°	1140.6
62.5°	1097.8
65°	1062.2
67.5°	1015.8
70°	959.3
72.5°	895.5
75°	823.5
77.5°	739.7
80°	644.1
82.5°	541.1
85°	433.6
87.5°	322.5
90°	227.8
92.5°	230.5
95°	234.1
97.5°	236.9
100°	238.7
102.5°	240.5
105°	242.3
107.5°	242.3
110°	243.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	242.3
115°	241.4
117.5°	239.6
120°	237.8
122.5°	235.0
125°	232.3
127.5°	229.6
130°	226.8
132.5°	222.3
135°	219.6
137.5°	215.9
140°	211.4
142.5°	207.7
145°	203.2
147.5°	199.5
150°	195.0
152.5°	188.6
155°	182.2
157.5°	174.0
160°	165.8
162.5°	155.8
165°	146.7
167.5°	137.6
170°	128.5
172.5°	125.7
175°	125.7
177.5°	124.8
180°	124.8

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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	14.10	15.28	14.55	15.70	16.15	14.10	15.28	14.55	15.70	16.15
	3H	16.36	17.42	16.83	17.86	18.35	16.36	17.42	16.83	17.86	18.35
	4H	17.33	18.32	17.82	18.77	19.28	17.33	18.32	17.82	18.77	19.28
	6H	18.12	19.03	18.62	19.50	20.02	18.12	19.03	18.62	19.50	20.02
	8H	18.41	19.28	18.93	19.77	20.30	18.41	19.28	18.93	19.77	20.30
	12H	18.63	19.46	19.15	19.94	20.49	18.63	19.46	19.15	19.94	20.49
4H	2H	14.71	15.70	15.21	16.16	16.67	14.71	15.70	15.21	16.16	16.67
	3H	17.18	18.00	17.69	18.51	19.03	17.18	18.00	17.69	18.51	19.03
	4H	18.28	19.02	18.80	19.53	20.10	18.28	19.02	18.80	19.53	20.10
	6H	19.21	19.85	19.75	20.39	20.97	19.21	19.85	19.75	20.39	20.97
	8H	19.55	20.15	20.11	20.69	21.28	19.55	20.15	20.11	20.69	21.28
	12H	19.83	20.36	20.40	20.93	21.53	19.83	20.36	20.40	20.93	21.53
8H	4H	18.61	19.21	19.17	19.75	20.34	18.61	19.21	19.17	19.75	20.34
	6H	19.68	20.18	20.26	20.76	21.36	19.68	20.18	20.26	20.76	21.36
	8H	20.12	20.57	20.72	21.17	21.77	20.12	20.57	20.72	21.17	21.77
	12H	20.50	20.90	21.10	21.48	22.16	20.50	20.90	21.10	21.48	22.16
12H	4H	18.64	19.18	19.21	19.75	20.34	18.64	19.18	19.21	19.75	20.34
	6H	19.75	20.20	20.35	20.80	21.41	19.75	20.20	20.35	20.80	21.41
	8H	20.25	20.65	20.85	21.23	21.91	20.25	20.65	20.85	21.23	21.91