

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: P1221450

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221450
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
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_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

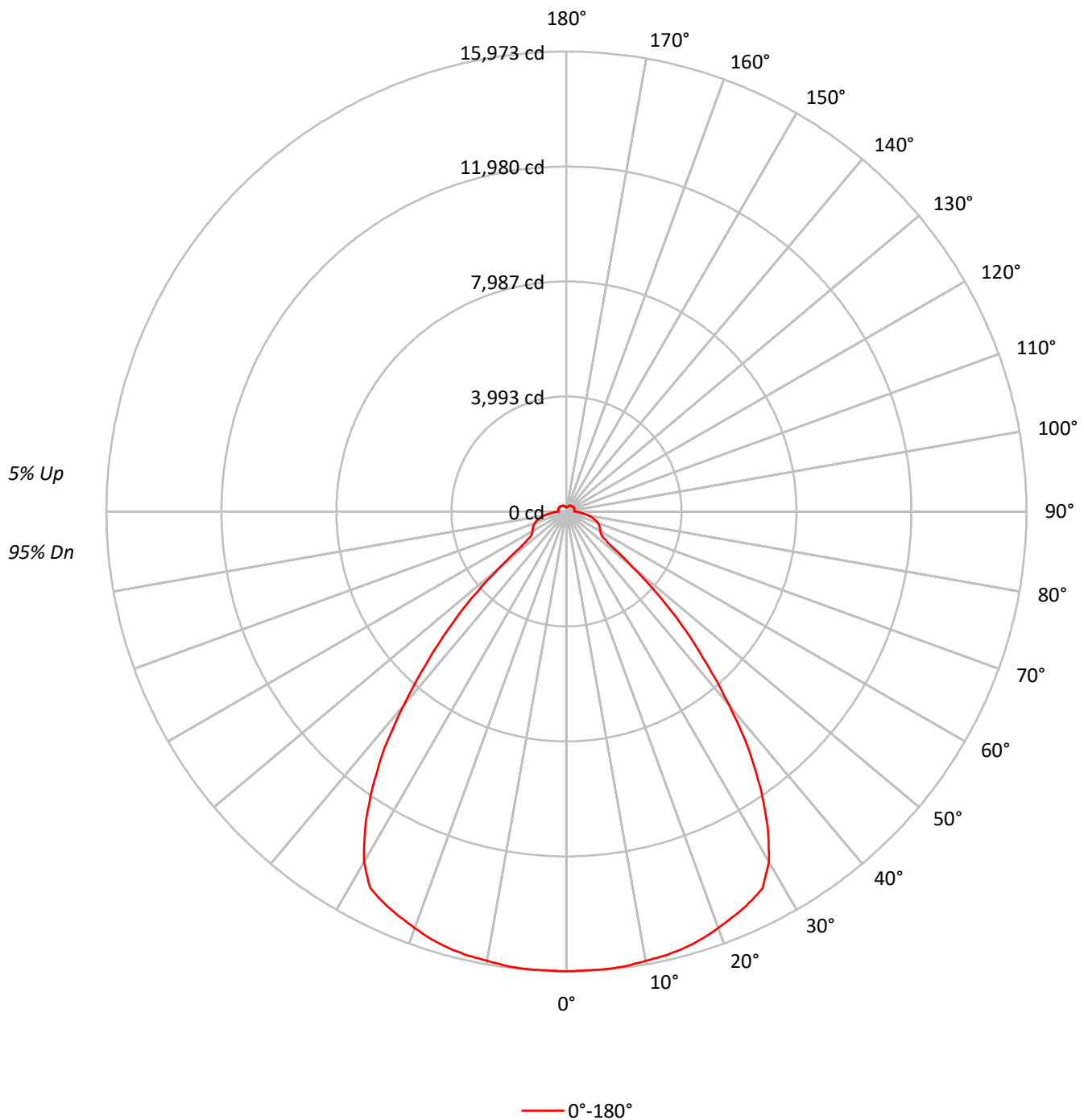
Lumens per Lamp: N/A
Luminaire Lumens: 30645.3 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.4
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	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	90	85	99	93	88	84	89	84	81	85	81	78	81	78	76	76	76	76	74	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	65	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	59	59			
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	58	55	55	55	55	53	53			
6	77	66	58	53	75	64	57	52	62	56	51	60	55	51	58	53	50	50	50	50	48	48			
7	72	60	53	48	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	44	44			
8	68	56	48	43	66	55	48	43	53	47	43	52	46	42	50	45	41	41	41	41	40	40			
9	64	52	45	40	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	36	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	34	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92106
5°	87857
10°	84118
15°	81102
20°	77921
25°	75002
30°	69976
35°	58727
40°	44315
45°	30119
50°	15963
55°	8342
60°	7785
65°	7722
70°	7482
75°	6901
80°	5807
85°	4355

MAXIMUM LUMINANCE 45°-90°:

Luminance: 30119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1519.6	5.0
10°-20°	4438.1	14.5
20°-30°	6891.3	22.5
30°-40°	7249.8	23.7
40°-50°	4482.0	14.6
50°-60°	1560.1	5.1
60°-70°	1257.7	4.1
70°-80°	1029.4	3.4
80°-90°	552.8	1.8
90°-100°	304.5	1.0
100°-110°	305.5	1.0
110°-120°	285.9	0.9
120°-130°	249.6	0.8
130°-140°	202.8	0.7
140°-150°	152.4	0.5
150°-160°	99.9	0.3
160°-170°	49.8	0.2
170°-180°	14.2	0.0
0°-30°	12849.0	41.9
0°-40°	20098.8	65.6
0°-60°	26140.9	85.3
0°-90°	28980.7	94.6
90°-120°	895.9	2.9
90°-150°	1500.7	4.9
90°-180°	1665.0	5.4
0°-180°	30645.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15973	
5°	15955	###
15°	15715	4438
25°	15004	6891
35°	11760	7250
45°	5854	4482
55°	1523	1560
65°	1276	1258
75°	986	1029
85°	506	464
90°	271	164
95°	279	230
105°	289	305
115°	288	286
125°	278	250
135°	262	203
145°	243	152
155°	216	100
165°	174	50
175°	148	14
180°	145	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15973
2.5°	15949
5°	15955
7.5°	15922
10°	15848
12.5°	15797
15°	15715
17.5°	15579
20°	15402
22.5°	15207
25°	15004
27.5°	14749
30°	14059
32.5°	13011
35°	11760
37.5°	10384
40°	8777
42.5°	7254
45°	5854
47.5°	4454
50°	3020
52.5°	1881
55°	1523
57.5°	1415
60°	1359
62.5°	1316
65°	1276
67.5°	1223
70°	1157
72.5°	1080
75°	986
77.5°	876
80°	755
82.5°	631
85°	506
87.5°	379
90°	271
92.5°	276
95°	279
97.5°	283
100°	286
102.5°	288
105°	289
107.5°	290
110°	290

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	290
115°	288
117.5°	287
120°	284
122.5°	282
125°	278
127.5°	275
130°	271
132.5°	266
135°	262
137.5°	257
140°	252
142.5°	247
145°	243
147.5°	237
150°	231
152.5°	224
155°	216
157.5°	206
160°	195
162.5°	185
165°	174
167.5°	162
170°	151
172.5°	148
175°	148
177.5°	146
180°	145

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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	14.71	15.93	15.17	16.36	16.81	14.71	15.93	15.17	16.36	16.81
	3H	17.10	18.19	17.57	18.63	19.13	17.10	18.19	17.57	18.63	19.13
	4H	18.09	19.11	18.58	19.57	20.08	18.09	19.11	18.58	19.57	20.08
	6H	18.87	19.81	19.38	20.29	20.81	18.87	19.81	19.38	20.29	20.81
	8H	19.15	20.04	19.67	20.54	21.08	19.15	20.04	19.67	20.54	21.08
	12H	19.36	20.22	19.89	20.71	21.27	19.36	20.22	19.89	20.71	21.27
4H	2H	15.38	16.40	15.88	16.86	17.38	15.38	16.40	15.88	16.86	17.38
	3H	17.96	18.80	18.46	19.31	19.84	17.96	18.80	18.46	19.31	19.84
	4H	19.07	19.83	19.60	20.35	20.92	19.07	19.83	19.60	20.35	20.92
	6H	19.98	20.64	20.53	21.19	21.78	19.98	20.64	20.53	21.19	21.78
	8H	20.31	20.93	20.87	21.48	22.07	20.31	20.93	20.87	21.48	22.07
	12H	20.58	21.13	21.15	21.71	22.31	20.58	21.13	21.15	21.71	22.31
8H	4H	19.41	20.03	19.96	20.57	21.17	19.41	20.03	19.96	20.57	21.17
	6H	20.45	20.96	21.04	21.56	22.16	20.45	20.96	21.04	21.56	22.16
	8H	20.88	21.34	21.48	21.94	22.56	20.88	21.34	21.48	21.94	22.56
	12H	21.25	21.65	21.85	22.24	22.93	21.25	21.65	21.85	22.24	22.93
12H	4H	19.44	19.99	20.01	20.57	21.17	19.44	19.99	20.01	20.57	21.17
	6H	20.52	20.98	21.12	21.59	22.20	20.52	20.98	21.12	21.59	22.20
	8H	21.00	21.41	21.61	22.00	22.69	21.00	21.41	21.61	22.00	22.69