

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: P1221493

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221493
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

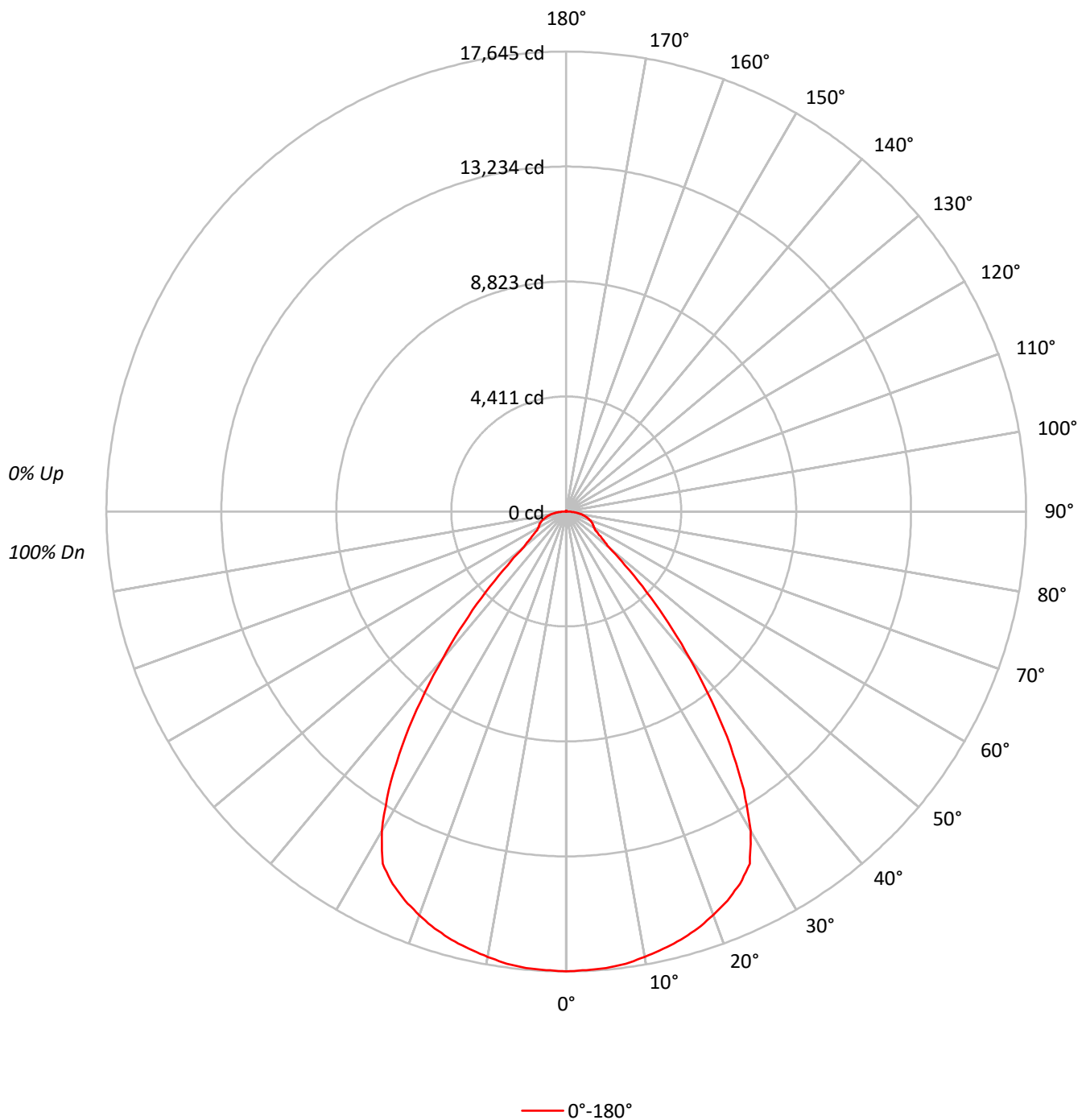
Lumens per Lamp: N/A
Luminaire Lumens: 27538.0 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 196
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	102	109	106	103	100	101	99	97	97	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	63	59	55	53		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	67	55	48	44	65	55	48	43	54	48	43	53	47	43	52	47	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101747
5°	96821
10°	92085
15°	87775
20°	83396
25°	78806
30°	70434
35°	54847
40°	37216
45°	22442
50°	11206
55°	8249
60°	7046
65°	6760
70°	6240
75°	5431
80°	4168
85°	2290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22442 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1671.1	6.1
10°-20°	4799.1	17.4
20°-30°	7201.7	26.2
30°-40°	6760.6	24.5
40°-50°	3418.8	12.4
50°-60°	1401.0	5.1
60°-70°	1098.8	4.0
70°-80°	810.7	2.9
80°-90°	291.4	1.1
90°-100°	8.2	0.0
100°-110°	8.6	0.0
110°-120°	9.1	0.0
120°-130°	9.4	0.0
130°-140°	11.5	0.0
140°-150°	15.0	0.1
150°-160°	13.4	0.0
160°-170°	7.2	0.0
170°-180°	2.5	0.0
0°-30°	13671.9	49.6
0°-40°	20432.5	74.2
0°-60°	25252.3	91.7
0°-90°	27453.2	99.7
90°-120°	25.8	0.1
90°-150°	61.7	0.2
90°-180°	85.0	0.3
0°-180°	27538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17645	
5°	17583	###
15°	17008	4799
25°	15765	7202
35°	10983	6761
45°	4362	3419
55°	1506	1401
65°	1117	1099
75°	776	811
85°	266	274
90°	8	20
95°	7	6
105°	8	9
115°	9	9
125°	10	9
135°	15	11
145°	24	15
155°	29	13
165°	25	7
175°	26	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17645
2.5°	17614
5°	17583
7.5°	17501
10°	17349
12.5°	17192
15°	17008
17.5°	16777
20°	16484
22.5°	16157
25°	15765
27.5°	15245
30°	14151
32.5°	12675
35°	10983
37.5°	9164
40°	7371
42.5°	5786
45°	4362
47.5°	3056
50°	2120
52.5°	1778
55°	1506
57.5°	1322
60°	1230
62.5°	1173
65°	1117
67.5°	1047
70°	965
72.5°	876
75°	776
77.5°	666
80°	542
82.5°	410
85°	266
87.5°	120
90°	8
92.5°	7
95°	7
97.5°	8
100°	8
102.5°	8
105°	8
107.5°	8
110°	9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9
115°	9
117.5°	9
120°	10
122.5°	10
125°	10
127.5°	11
130°	12
132.5°	13
135°	15
137.5°	16
140°	19
142.5°	21
145°	24
147.5°	27
150°	30
152.5°	30
155°	29
157.5°	28
160°	26
162.5°	25
165°	25
167.5°	26
170°	26
172.5°	26
175°	26
177.5°	27
180°	29

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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	14.89	16.13	15.26	16.45	16.78	14.89	16.13	15.26	16.45	16.78
	3H	16.94	18.05	17.33	18.39	18.76	16.94	18.05	17.33	18.39	18.76
	4H	17.74	18.78	18.15	19.14	19.53	17.74	18.78	18.15	19.14	19.53
	6H	18.32	19.27	18.74	19.65	20.05	18.32	19.27	18.74	19.65	20.05
	8H	18.49	19.39	18.92	19.79	20.20	18.49	19.39	18.92	19.79	20.20
	12H	18.57	19.43	19.01	19.82	20.26	18.57	19.43	19.01	19.82	20.26
4H	2H	15.46	16.50	15.87	16.86	17.25	15.46	16.50	15.87	16.86	17.25
	3H	17.71	18.56	18.13	18.97	19.38	17.71	18.56	18.13	18.97	19.38
	4H	18.62	19.39	19.06	19.81	20.26	18.62	19.39	19.06	19.81	20.26
	6H	19.31	19.98	19.78	20.43	20.90	19.31	19.98	19.78	20.43	20.90
	8H	19.52	20.14	19.99	20.59	21.07	19.52	20.14	19.99	20.59	21.07
	12H	19.63	20.18	20.12	20.67	21.15	19.63	20.18	20.12	20.67	21.15
8H	4H	18.88	19.50	19.36	19.96	20.43	18.88	19.50	19.36	19.96	20.43
	6H	19.68	20.19	20.19	20.69	21.18	19.68	20.19	20.19	20.69	21.18
	8H	19.95	20.40	20.48	20.92	21.42	19.95	20.40	20.48	20.92	21.42
	12H	20.12	20.52	20.65	21.02	21.60	20.12	20.52	20.65	21.02	21.60
12H	4H	18.89	19.44	19.38	19.93	20.41	18.89	19.44	19.38	19.93	20.41
	6H	19.71	20.17	20.24	20.69	21.19	19.71	20.17	20.24	20.69	21.19
	8H	20.03	20.43	20.55	20.93	21.51	20.03	20.43	20.55	20.93	21.51