

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: P1221481

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221481
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

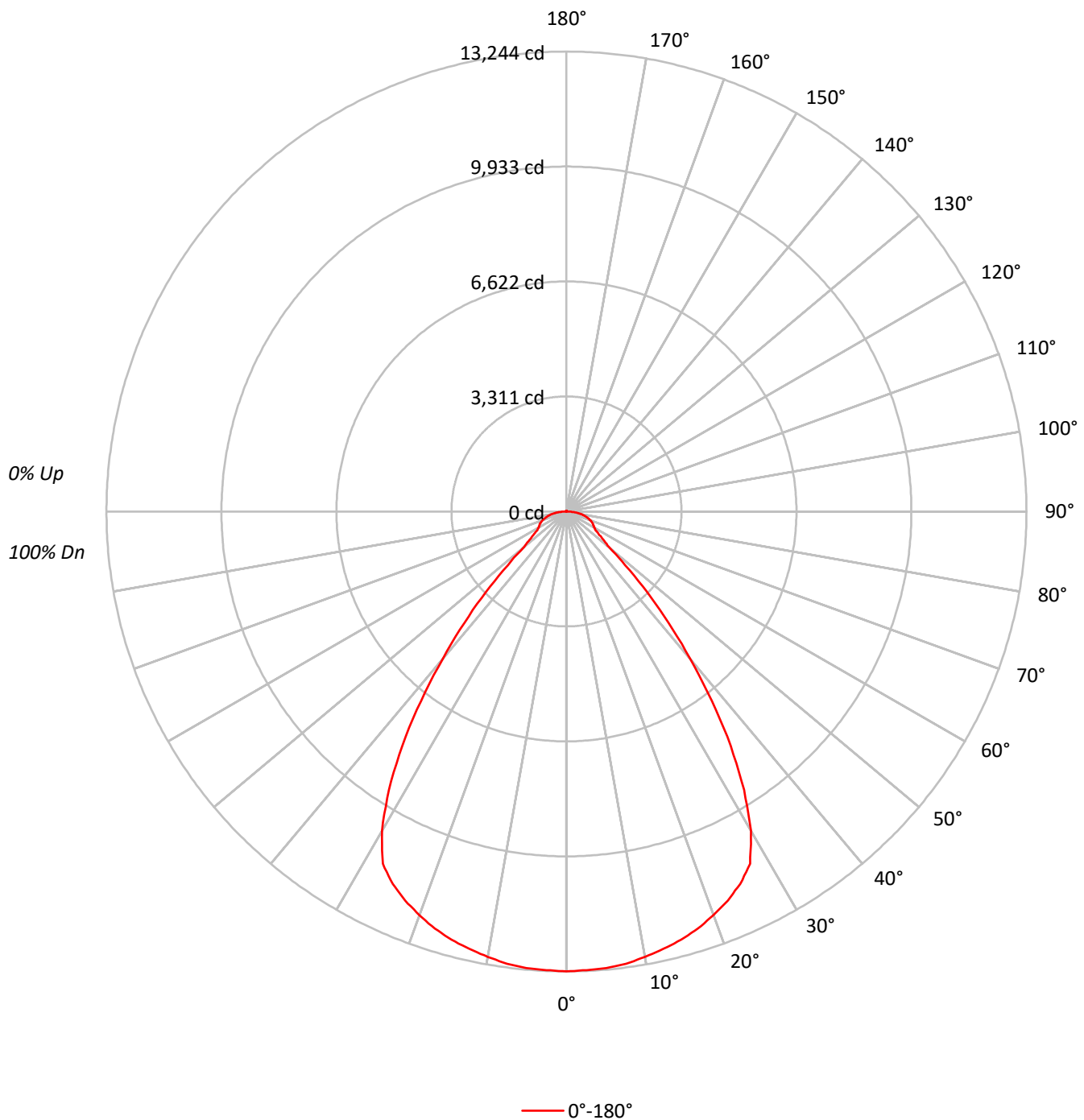
Lumens per Lamp: N/A
Luminaire Lumens: 20669.9 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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°	76370
5°	72673
10°	69118
15°	65883
20°	62596
25°	59151
30°	52867
35°	41167
40°	27934
45°	16845
50°	8411
55°	6191
60°	5288
65°	5074
70°	4684
75°	4077
80°	3129
85°	1719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1254.3	6.1
10°-20°	3602.2	17.4
20°-30°	5405.5	26.2
30°-40°	5074.4	24.5
40°-50°	2566.1	12.4
50°-60°	1051.6	5.1
60°-70°	824.7	4.0
70°-80°	608.5	2.9
80°-90°	218.7	1.1
90°-100°	6.2	0.0
100°-110°	6.5	0.0
110°-120°	6.8	0.0
120°-130°	7.1	0.0
130°-140°	8.6	0.0
140°-150°	11.3	0.1
150°-160°	10.0	0.0
160°-170°	5.4	0.0
170°-180°	1.9	0.0
0°-30°	10262.0	49.6
0°-40°	15336.4	74.2
0°-60°	18954.2	91.7
0°-90°	20606.2	99.7
90°-120°	19.4	0.1
90°-150°	46.4	0.2
90°-180°	64.0	0.3
0°-180°	20669.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13244	
5°	13198	###
15°	12766	3602
25°	11833	5406
35°	8244	5074
45°	3274	2566
55°	1130	1052
65°	838	825
75°	582	609
85°	200	206
90°	6	15
95°	5	5
105°	6	6
115°	7	7
125°	8	7
135°	11	9
145°	18	11
155°	22	10
165°	19	5
175°	20	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	13244.2
2.5°	13220.9
5°	13197.6
7.5°	13136.1
10°	13022.0
12.5°	12904.2
15°	12766.1
17.5°	12592.7
20°	12372.7
22.5°	12127.3
25°	11833.1
27.5°	11442.8
30°	10621.6
32.5°	9513.7
35°	8243.7
37.5°	6878.4
40°	5532.6
42.5°	4342.9
45°	3274.1
47.5°	2293.8
50°	1591.3
52.5°	1334.6
55°	1130.4
57.5°	992.3
60°	923.2
62.5°	880.4
65°	838.4
67.5°	785.9
70°	724.3
72.5°	657.5
75°	582.5
77.5°	499.9
80°	406.8
82.5°	307.7
85°	199.7
87.5°	90.1
90°	6.0
92.5°	5.3
95°	5.3
97.5°	6.0
100°	6.0
102.5°	6.0
105°	6.0
107.5°	6.0
110°	6.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	6.8
115°	6.8
117.5°	6.8
120°	7.5
122.5°	7.5
125°	7.5
127.5°	8.3
130°	9.0
132.5°	9.8
135°	11.3
137.5°	12.0
140°	14.3
142.5°	15.8
145°	18.0
147.5°	20.3
150°	22.5
152.5°	22.5
155°	21.8
157.5°	21.0
160°	19.5
162.5°	18.8
165°	18.8
167.5°	19.5
170°	19.5
172.5°	19.5
175°	19.5
177.5°	20.3
180°	21.8

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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	13.89	15.14	14.26	15.46	15.78	13.89	15.14	14.26	15.46	15.78
	3H	15.95	17.05	16.33	17.39	17.76	15.95	17.05	16.33	17.39	17.76
	4H	16.75	17.78	17.16	18.14	18.53	16.75	17.78	17.16	18.14	18.53
	6H	17.32	18.28	17.75	18.65	19.06	17.32	18.28	17.75	18.65	19.06
	8H	17.49	18.39	17.93	18.79	19.20	17.49	18.39	17.93	18.79	19.20
	12H	17.57	18.43	18.01	18.82	19.26	17.57	18.43	18.01	18.82	19.26
4H	2H	14.47	15.50	14.88	15.86	16.25	14.47	15.50	14.88	15.86	16.25
	3H	16.71	17.56	17.13	17.97	18.39	16.71	17.56	17.13	17.97	18.39
	4H	17.62	18.39	18.07	18.82	19.27	17.62	18.39	18.07	18.82	19.27
	6H	18.32	18.98	18.79	19.43	19.91	18.32	18.98	18.79	19.43	19.91
	8H	18.52	19.14	18.99	19.59	20.07	18.52	19.14	18.99	19.59	20.07
	12H	18.63	19.18	19.13	19.67	20.15	18.63	19.18	19.13	19.67	20.15
8H	4H	17.89	18.51	18.36	18.96	19.44	17.89	18.51	18.36	18.96	19.44
	6H	18.68	19.19	19.19	19.69	20.18	18.68	19.19	19.19	19.69	20.18
	8H	18.95	19.41	19.48	19.93	20.43	18.95	19.41	19.48	19.93	20.43
	12H	19.13	19.53	19.65	20.03	20.61	19.13	19.53	19.65	20.03	20.61
12H	4H	17.90	18.44	18.39	18.93	19.41	17.90	18.44	18.39	18.93	19.41
	6H	18.72	19.17	19.24	19.69	20.19	18.72	19.17	19.24	19.69	20.19
	8H	19.03	19.43	19.55	19.93	20.51	19.03	19.43	19.55	19.93	20.51