

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: P1221511

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221511
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

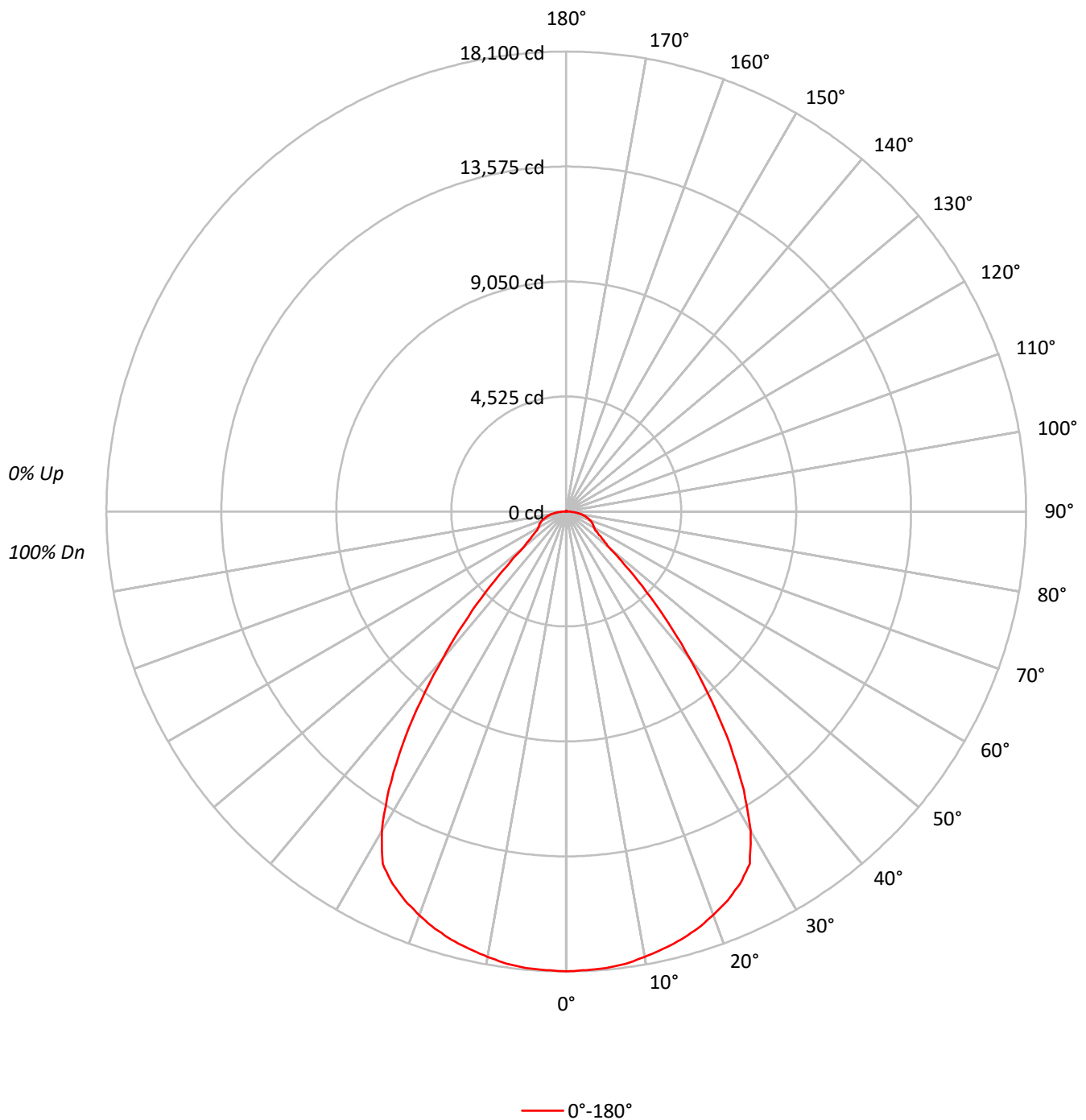
Lumens per Lamp: N/A
Luminaire Lumens: 28247.7 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	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°	104369
5°	99316
10°	94458
15°	90037
20°	85545
25°	80837
30°	72249
35°	56260
40°	38175
45°	23021
50°	11494
55°	8461
60°	7227
65°	6934
70°	6401
75°	5571
80°	4276
85°	2349

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23021 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1714.2	6.1
10°-20°	4922.8	17.4
20°-30°	7387.3	26.2
30°-40°	6934.8	24.5
40°-50°	3506.9	12.4
50°-60°	1437.1	5.1
60°-70°	1127.1	4.0
70°-80°	831.6	2.9
80°-90°	298.9	1.1
90°-100°	8.4	0.0
100°-110°	8.8	0.0
110°-120°	9.3	0.0
120°-130°	9.7	0.0
130°-140°	11.7	0.0
140°-150°	15.4	0.1
150°-160°	13.7	0.0
160°-170°	7.4	0.0
170°-180°	2.6	0.0
0°-30°	14024.3	49.6
0°-40°	20959.1	74.2
0°-60°	25903.1	91.7
0°-90°	28160.8	99.7
90°-120°	26.5	0.1
90°-150°	63.3	0.2
90°-180°	87.0	0.3
0°-180°	28247.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18100	
5°	18036	###
15°	17446	4923
25°	16171	7387
35°	11266	6935
45°	4474	3507
55°	1545	1437
65°	1146	1127
75°	796	832
85°	273	281
90°	8	20
95°	7	6
105°	8	9
115°	9	9
125°	10	10
135°	15	12
145°	25	15
155°	30	14
165°	26	7
175°	27	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18099.7
2.5°	18067.9
5°	18036.1
7.5°	17952.0
10°	17796.1
12.5°	17635.0
15°	17446.3
17.5°	17209.3
20°	16908.8
22.5°	16573.4
25°	16171.3
27.5°	15637.9
30°	14515.7
32.5°	13001.6
35°	11266.0
37.5°	9400.2
40°	7561.0
42.5°	5935.1
45°	4474.4
47.5°	3134.8
50°	2174.6
52.5°	1823.8
55°	1544.8
57.5°	1356.1
60°	1261.7
62.5°	1203.2
65°	1145.8
67.5°	1074.0
70°	989.9
72.5°	898.6
75°	796.0
77.5°	683.2
80°	556.0
82.5°	420.6
85°	272.9
87.5°	123.1
90°	8.2
92.5°	7.2
95°	7.2
97.5°	8.2
100°	8.2
102.5°	8.2
105°	8.2
107.5°	8.2
110°	9.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.2
115°	9.2
117.5°	9.2
120°	10.3
122.5°	10.3
125°	10.3
127.5°	11.3
130°	12.3
132.5°	13.3
135°	15.4
137.5°	16.4
140°	19.5
142.5°	21.5
145°	24.6
147.5°	27.7
150°	30.8
152.5°	30.8
155°	29.7
157.5°	28.7
160°	26.7
162.5°	25.6
165°	25.6
167.5°	26.7
170°	26.7
172.5°	26.7
175°	26.7
177.5°	27.7
180°	29.7

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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	14.98	16.22	15.35	16.54	16.86	14.98	16.22	15.35	16.54	16.86
	3H	17.03	18.14	17.42	18.48	18.85	17.03	18.14	17.42	18.48	18.85
	4H	17.83	18.87	18.24	19.22	19.62	17.83	18.87	18.24	19.22	19.62
	6H	18.41	19.36	18.83	19.74	20.14	18.41	19.36	18.83	19.74	20.14
	8H	18.58	19.48	19.01	19.87	20.29	18.58	19.48	19.01	19.87	20.29
	12H	18.66	19.52	19.10	19.91	20.35	18.66	19.52	19.10	19.91	20.35
4H	2H	15.55	16.59	15.96	16.94	17.34	15.55	16.59	15.96	16.94	17.34
	3H	17.80	18.65	18.21	19.06	19.47	17.80	18.65	18.21	19.06	19.47
	4H	18.71	19.48	19.15	19.90	20.35	18.71	19.48	19.15	19.90	20.35
	6H	19.40	20.06	19.87	20.52	20.99	19.40	20.06	19.87	20.52	20.99
	8H	19.60	20.22	20.08	20.68	21.16	19.60	20.22	20.08	20.68	21.16
	12H	19.72	20.27	20.21	20.76	21.24	19.72	20.27	20.21	20.76	21.24
8H	4H	18.97	19.59	19.45	20.04	20.52	18.97	19.59	19.45	20.04	20.52
	6H	19.77	20.28	20.28	20.78	21.27	19.77	20.28	20.28	20.78	21.27
	8H	20.04	20.49	20.57	21.01	21.51	20.04	20.49	20.57	21.01	21.51
	12H	20.21	20.61	20.73	21.11	21.69	20.21	20.61	20.73	21.11	21.69
12H	4H	18.98	19.53	19.47	20.02	20.50	18.98	19.53	19.47	20.02	20.50
	6H	19.80	20.25	20.33	20.78	21.28	19.80	20.25	20.33	20.78	21.28
	8H	20.12	20.51	20.64	21.02	21.60	20.12	20.51	20.64	21.02	21.60

END OF REPORT