

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: P1221510

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (5000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221510
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-9)
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_L24_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

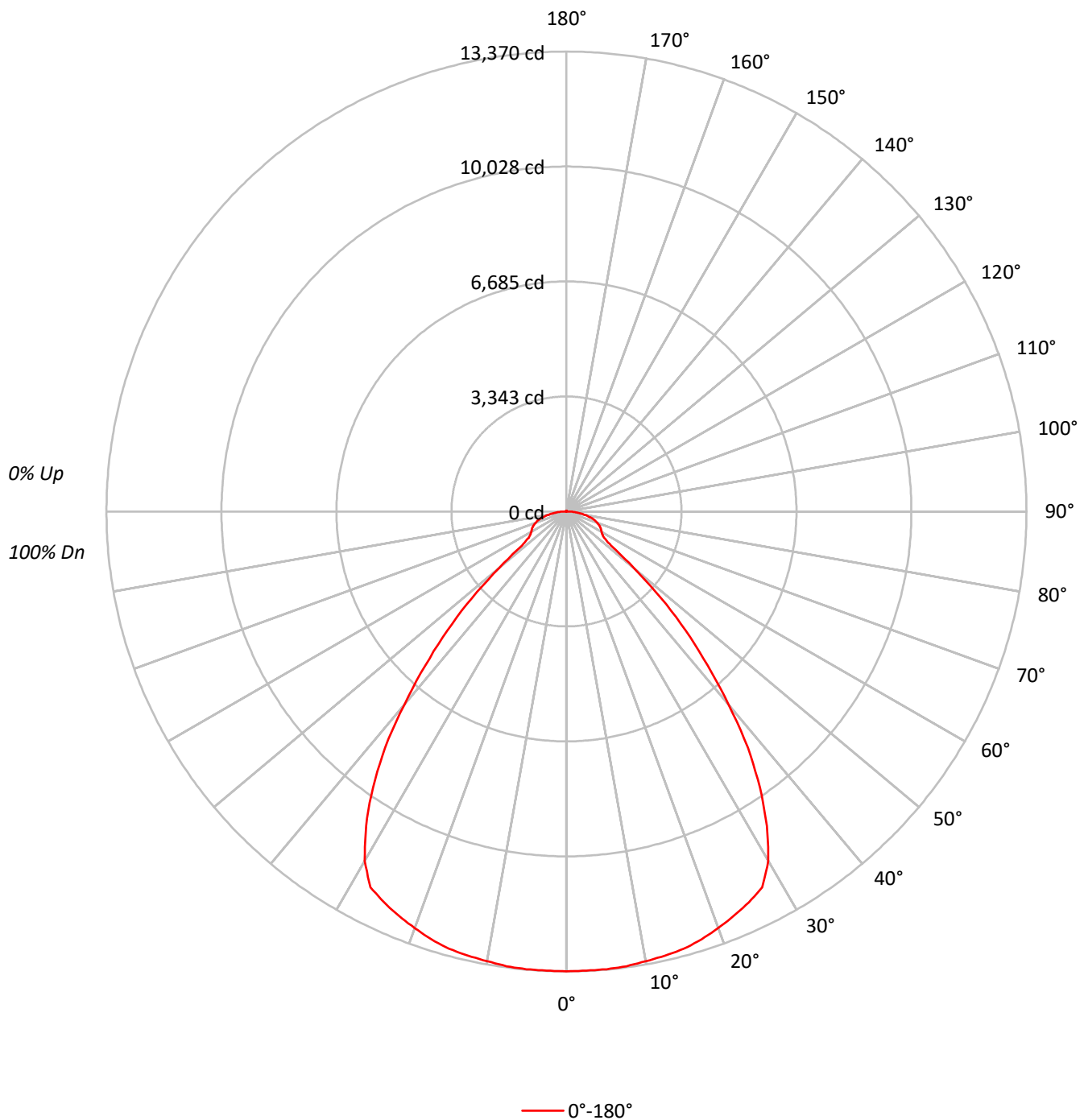
Lumens per Lamp: N/A
Luminaire Lumens: 24114.2 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	97	91	87		101	95	90	86		92	87	84		88	85	82		85	83	80
3	96	88	81	76		94	86	80	75		83	78	74		81	76	73		78	75	72
4	90	80	73	67		88	79	72	67		76	71	66		74	69	65		72	68	64
5	84	73	66	60		82	72	65	60		70	64	59		68	63	59		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		61	57	53
7	73	62	54	49		72	61	54	49		60	53	49		58	53	48		57	52	48
8	69	57	50	45		68	57	50	45		55	49	44		54	48	44		53	48	44
9	65	53	46	41		64	53	46	41		51	45	41		50	45	41		49	44	40
10	61	49	42	38		60	49	42	38		48	42	38		47	41	37		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77097
5°	73563
10°	70473
15°	67928
20°	65214
25°	62695
30°	58383
35°	48975
40°	37022
45°	25224
50°	13491
55°	7319
60°	6754
65°	6568
70°	6132
75°	5323
80°	3965
85°	2160

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 25224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1272.6	5.3
10°-20°	3716.5	15.4
20°-30°	5761.0	23.9
30°-40°	6046.1	25.1
40°-50°	3753.3	15.6
50°-60°	1349.8	5.6
60°-70°	1067.3	4.4
70°-80°	790.7	3.3
80°-90°	276.5	1.1
90°-100°	8.3	0.0
100°-110°	8.9	0.0
110°-120°	9.2	0.0
120°-130°	9.9	0.0
130°-140°	11.2	0.0
140°-150°	13.4	0.1
150°-160°	11.6	0.0
160°-170°	6.0	0.0
170°-180°	2.0	0.0
0°-30°	10750.1	44.6
0°-40°	16796.1	69.7
0°-60°	21899.2	90.8
0°-90°	24033.7	99.7
90°-120°	26.4	0.1
90°-150°	60.8	0.3
90°-180°	80.0	0.3
0°-180°	24114.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13370	
5°	13359	###
15°	13162	3716
25°	12542	5761
35°	9807	6046
45°	4903	3753
55°	1336	1350
65°	1085	1067
75°	761	791
85°	251	259
90°	8	19
95°	8	6
105°	8	9
115°	9	9
125°	11	10
135°	14	11
145°	21	13
155°	25	12
165°	21	6
175°	21	2
180°	24	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13370.2
2.5°	13358.4
5°	13359.2
7.5°	13333.9
10°	13277.3
12.5°	13227.4
15°	13162.3
17.5°	13046.5
20°	12890.2
22.5°	12724.5
25°	12542.0
27.5°	12327.3
30°	11729.8
32.5°	10841.5
35°	9807.1
37.5°	8659.4
40°	7332.5
42.5°	6069.0
45°	4902.7
47.5°	3730.5
50°	2552.3
52.5°	1625.2
55°	1336.2
57.5°	1234.8
60°	1179.0
62.5°	1134.2
65°	1085.2
67.5°	1023.5
70°	948.3
72.5°	861.2
75°	760.6
77.5°	642.3
80°	515.5
82.5°	384.5
85°	251.0
87.5°	119.2
90°	7.6
92.5°	7.6
95°	7.6
97.5°	7.6
100°	7.6
102.5°	8.5
105°	8.5
107.5°	8.5
110°	8.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9.3
115°	9.3
117.5°	9.3
120°	10.1
122.5°	10.1
125°	11.0
127.5°	11.8
130°	12.7
132.5°	13.5
135°	14.4
137.5°	15.2
140°	16.9
142.5°	19.4
145°	21.1
147.5°	23.7
150°	26.2
152.5°	26.2
155°	25.4
157.5°	23.7
160°	22.0
162.5°	21.1
165°	21.1
167.5°	21.1
170°	21.1
172.5°	21.1
175°	21.1
177.5°	22.8
180°	23.7

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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	14.82	16.12	15.19	16.44	16.76	14.82	16.12	15.19	16.44	16.76
	3H	17.03	18.19	17.42	18.53	18.90	17.03	18.19	17.42	18.53	18.90
	4H	17.88	18.96	18.29	19.32	19.71	17.88	18.96	18.29	19.32	19.71
	6H	18.46	19.45	18.88	19.83	20.23	18.46	19.45	18.88	19.83	20.23
	8H	18.62	19.56	19.05	19.96	20.37	18.62	19.56	19.05	19.96	20.37
	12H	18.70	19.60	19.14	19.99	20.43	18.70	19.60	19.14	19.99	20.43
4H	2H	15.46	16.54	15.87	16.90	17.29	15.46	16.54	15.87	16.90	17.29
	3H	17.85	18.74	18.27	19.16	19.57	17.85	18.74	18.27	19.16	19.57
	4H	18.80	19.61	19.24	20.03	20.48	18.80	19.61	19.24	20.03	20.48
	6H	19.49	20.18	19.96	20.64	21.11	19.49	20.18	19.96	20.64	21.11
	8H	19.68	20.33	20.16	20.79	21.26	19.68	20.33	20.16	20.79	21.26
	12H	19.79	20.37	20.28	20.86	21.34	19.79	20.37	20.28	20.86	21.34
8H	4H	19.08	19.73	19.55	20.18	20.66	19.08	19.73	19.55	20.18	20.66
	6H	19.86	20.40	20.37	20.90	21.39	19.86	20.40	20.37	20.90	21.39
	8H	20.12	20.60	20.64	21.12	21.62	20.12	20.60	20.64	21.12	21.62
	12H	20.28	20.71	20.80	21.21	21.79	20.28	20.71	20.80	21.21	21.79
12H	4H	19.09	19.66	19.58	20.15	20.64	19.09	19.66	19.58	20.15	20.64
	6H	19.89	20.37	20.42	20.89	21.39	19.89	20.37	20.42	20.89	21.39
	8H	20.19	20.62	20.71	21.12	21.69	20.19	20.62	20.71	21.12	21.69

END OF REPORT