

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: P1221482

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221482
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

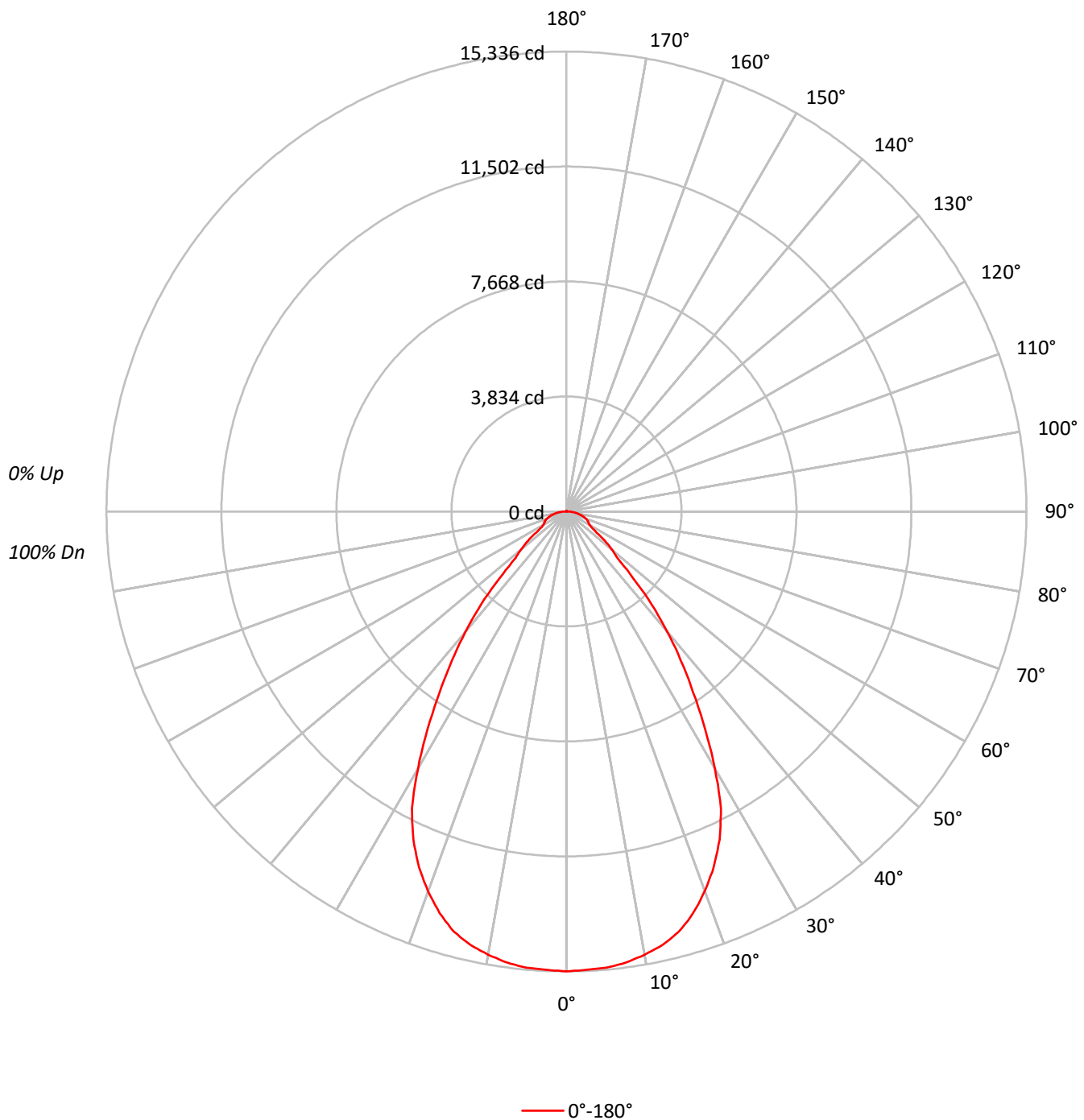
Lumens per Lamp: N/A
Luminaire Lumens: 20933.3 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	90	83	79	95	88	82	78	85	80	76	83	79	75	80	77	74	72		
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	54		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	57	52	48	56	51	48	46		
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88433
5°	84097
10°	79668
15°	74858
20°	68178
25°	60367
30°	49292
35°	36797
40°	26418
45°	16246
50°	10430
55°	6697
60°	5086
65°	4811
70°	4397
75°	3751
80°	2880
85°	1673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16246 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1449.3	6.9
10°-20°	4060.1	19.4
20°-30°	5479.6	26.2
30°-40°	4623.0	22.1
40°-50°	2533.8	12.1
50°-60°	1172.1	5.6
60°-70°	781.9	3.7
70°-80°	562.9	2.7
80°-90°	208.8	1.0
90°-100°	5.8	0.0
100°-110°	6.3	0.0
110°-120°	6.6	0.0
120°-130°	7.0	0.0
130°-140°	8.6	0.0
140°-150°	11.1	0.1
150°-160°	9.4	0.0
160°-170°	5.3	0.0
170°-180°	1.9	0.0
0°-30°	10989.1	52.5
0°-40°	15612.1	74.6
0°-60°	19317.9	92.3
0°-90°	20871.4	99.7
90°-120°	18.7	0.1
90°-150°	45.3	0.2
90°-180°	62.0	0.3
0°-180°	20933.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15336	
5°	15272	###
15°	14505	4060
25°	12076	5480
35°	7369	4623
45°	3158	2534
55°	1223	1172
65°	795	782
75°	536	563
85°	194	195
90°	5	15
95°	5	4
105°	6	6
115°	7	7
125°	8	7
135°	10	9
145°	18	11
155°	20	9
165°	19	5
175°	20	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15336.1
2.5°	15300.8
5°	15272.3
7.5°	15173.2
10°	15009.6
12.5°	14805.4
15°	14505.2
17.5°	14049.6
20°	13476.1
22.5°	12841.1
25°	12076.3
27.5°	11155.3
30°	9903.3
32.5°	8605.5
35°	7368.6
37.5°	6259.2
40°	5232.4
42.5°	4220.6
45°	3157.7
47.5°	2296.8
50°	1973.3
52.5°	1619.8
55°	1222.7
57.5°	996.8
60°	887.9
62.5°	835.4
65°	794.9
67.5°	741.6
70°	680.0
72.5°	612.5
75°	535.9
77.5°	457.1
80°	374.5
82.5°	287.5
85°	194.4
87.5°	95.3
90°	5.3
92.5°	5.3
95°	5.3
97.5°	5.3
100°	5.3
102.5°	6.0
105°	6.0
107.5°	6.0
110°	6.0

TEST NUMBER: P1221482

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	6.8
115°	6.8
117.5°	6.8
120°	6.8
122.5°	7.5
125°	7.5
127.5°	8.3
130°	9.0
132.5°	9.8
135°	10.5
137.5°	12.8
140°	14.3
142.5°	15.8
145°	18.0
147.5°	19.5
150°	21.0
152.5°	21.0
155°	20.3
157.5°	19.5
160°	18.8
162.5°	18.0
165°	18.8
167.5°	18.8
170°	19.5
172.5°	19.5
175°	20.3
177.5°	21.0
180°	22.5

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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	13.87	15.11	14.24	15.42	15.75	13.87	15.11	14.24	15.42	15.75
	3H	15.73	16.83	16.11	17.16	17.54	15.73	16.83	16.11	17.16	17.54
	4H	16.45	17.47	16.86	17.83	18.22	16.45	17.47	16.86	17.83	18.22
	6H	16.97	17.91	17.39	18.29	18.69	16.97	17.91	17.39	18.29	18.69
	8H	17.12	18.02	17.56	18.41	18.83	17.12	18.02	17.56	18.41	18.83
	12H	17.21	18.06	17.64	18.45	18.89	17.21	18.06	17.64	18.45	18.89
4H	2H	14.37	15.39	14.77	15.75	16.14	14.37	15.39	14.77	15.75	16.14
	3H	16.43	17.28	16.85	17.69	18.10	16.43	17.28	16.85	17.69	18.10
	4H	17.27	18.03	17.71	18.45	18.90	17.27	18.03	17.71	18.45	18.90
	6H	17.90	18.56	18.37	19.01	19.49	17.90	18.56	18.37	19.01	19.49
	8H	18.10	18.71	18.57	19.16	19.64	18.10	18.71	18.57	19.16	19.64
	12H	18.21	18.75	18.71	19.24	19.73	18.21	18.75	18.71	19.24	19.73
8H	4H	17.50	18.11	17.98	18.57	19.05	17.50	18.11	17.98	18.57	19.05
	6H	18.24	18.74	18.75	19.25	19.74	18.24	18.74	18.75	19.25	19.74
	8H	18.50	18.95	19.03	19.47	19.97	18.50	18.95	19.03	19.47	19.97
	12H	18.68	19.08	19.21	19.58	20.16	18.68	19.08	19.21	19.58	20.16
12H	4H	17.51	18.05	18.00	18.54	19.02	17.51	18.05	18.00	18.54	19.02
	6H	18.27	18.72	18.80	19.24	19.74	18.27	18.72	18.80	19.24	19.74
	8H	18.58	18.97	19.10	19.47	20.05	18.58	18.97	19.10	19.47	20.05