

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: P1221525

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221525
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 (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

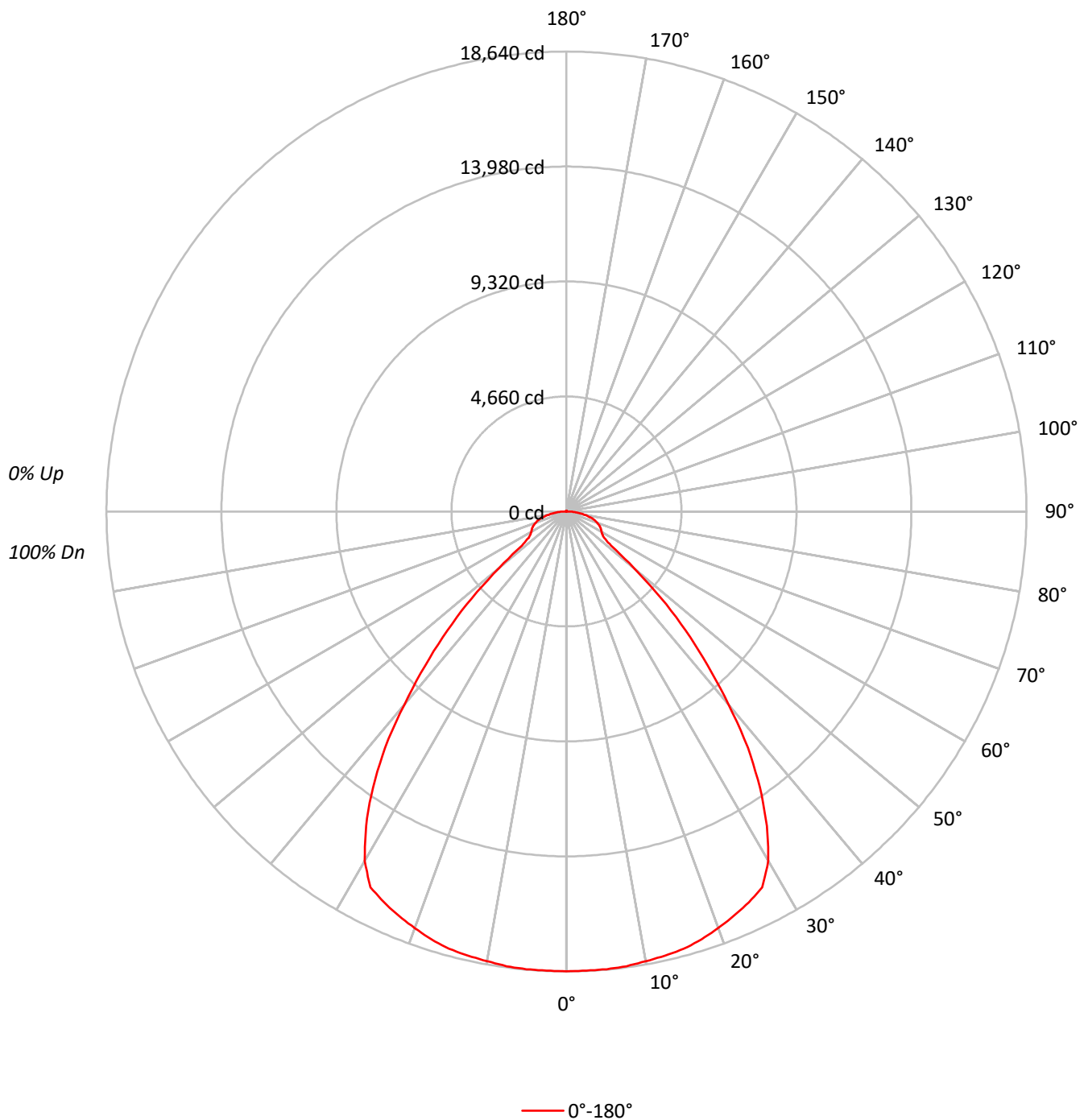
Lumens per Lamp: N/A
Luminaire Lumens: 33618.3 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 230.2
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°	107483
5°	102556
10°	98248
15°	94700
20°	90916
25°	87405
30°	81393
35°	68277
40°	51613
45°	35166
50°	18808
55°	10203
60°	9416
65°	9156
70°	8549
75°	7422
80°	5527
85°	3012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 35166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1774.2	5.3
10°-20°	5181.3	15.4
20°-30°	8031.6	23.9
30°-40°	8429.0	25.1
40°-50°	5232.7	15.6
50°-60°	1881.7	5.6
60°-70°	1487.9	4.4
70°-80°	1102.4	3.3
80°-90°	385.5	1.1
90°-100°	11.6	0.0
100°-110°	12.3	0.0
110°-120°	12.9	0.0
120°-130°	13.8	0.0
130°-140°	15.6	0.0
140°-150°	18.6	0.1
150°-160°	16.1	0.0
160°-170°	8.4	0.0
170°-180°	2.9	0.0
0°-30°	14987.0	44.6
0°-40°	23416.0	69.7
0°-60°	30530.4	90.8
0°-90°	33506.2	99.7
90°-120°	36.8	0.1
90°-150°	84.8	0.3
90°-180°	112.0	0.3
0°-180°	33618.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18640	
5°	18624	###
15°	18350	5181
25°	17485	8032
35°	13672	8429
45°	6835	5233
55°	1863	1882
65°	1513	1488
75°	1060	1102
85°	350	361
90°	11	27
95°	11	9
105°	12	12
115°	13	13
125°	15	14
135°	20	16
145°	30	19
155°	35	16
165°	30	8
175°	30	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18639.8
2.5°	18623.3
5°	18624.5
7.5°	18589.2
10°	18510.2
12.5°	18440.7
15°	18350.0
17.5°	18188.6
20°	17970.6
22.5°	17739.7
25°	17485.2
27.5°	17185.9
30°	16352.9
32.5°	15114.5
35°	13672.4
37.5°	12072.3
40°	10222.5
42.5°	8461.0
45°	6835.0
47.5°	5200.8
50°	3558.3
52.5°	2265.8
55°	1862.8
57.5°	1721.4
60°	1643.7
62.5°	1581.2
65°	1512.9
67.5°	1426.9
70°	1322.0
72.5°	1200.6
75°	1060.4
77.5°	895.5
80°	718.7
82.5°	536.1
85°	349.9
87.5°	166.1
90°	10.6
92.5°	10.6
95°	10.6
97.5°	10.6
100°	10.6
102.5°	11.8
105°	11.8
107.5°	11.8
110°	11.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	13.0
115°	13.0
117.5°	13.0
120°	14.1
122.5°	14.1
125°	15.3
127.5°	16.5
130°	17.7
132.5°	18.9
135°	20.0
137.5°	21.2
140°	23.6
142.5°	27.1
145°	29.5
147.5°	33.0
150°	36.5
152.5°	36.5
155°	35.3
157.5°	33.0
160°	30.6
162.5°	29.5
165°	29.5
167.5°	29.5
170°	29.5
172.5°	29.5
175°	29.5
177.5°	31.8
180°	33.0

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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	15.97	17.27	16.34	17.59	17.92	15.97	17.27	16.34	17.59	17.92
	3H	18.19	19.35	18.57	19.68	20.06	18.19	19.35	18.57	19.68	20.06
	4H	19.03	20.11	19.44	20.47	20.86	19.03	20.11	19.44	20.47	20.86
	6H	19.61	20.61	20.03	20.99	21.39	19.61	20.61	20.03	20.99	21.39
	8H	19.77	20.72	20.21	21.11	21.53	19.77	20.72	20.21	21.11	21.53
	12H	19.85	20.76	20.29	21.15	21.58	19.85	20.76	20.29	21.15	21.58
4H	2H	16.61	17.70	17.02	18.06	18.45	16.61	17.70	17.02	18.06	18.45
	3H	19.01	19.90	19.42	20.31	20.72	19.01	19.90	19.42	20.31	20.72
	4H	19.96	20.76	20.40	21.19	21.64	19.96	20.76	20.40	21.19	21.64
	6H	20.64	21.34	21.11	21.79	22.27	20.64	21.34	21.11	21.79	22.27
	8H	20.84	21.49	21.31	21.94	22.42	20.84	21.49	21.31	21.94	22.42
	12H	20.95	21.52	21.44	22.01	22.49	20.95	21.52	21.44	22.01	22.49
8H	4H	20.23	20.88	20.71	21.34	21.81	20.23	20.88	20.71	21.34	21.81
	6H	21.02	21.55	21.52	22.05	22.54	21.02	21.55	21.52	22.05	22.54
	8H	21.27	21.75	21.80	22.27	22.77	21.27	21.75	21.80	22.27	22.77
	12H	21.44	21.86	21.96	22.36	22.94	21.44	21.86	21.96	22.36	22.94
12H	4H	20.24	20.82	20.73	21.31	21.79	20.24	20.82	20.73	21.31	21.79
	6H	21.05	21.53	21.57	22.05	22.55	21.05	21.53	21.57	22.05	22.55
	8H	21.35	21.77	21.87	22.27	22.85	21.35	21.77	21.87	22.27	22.85