

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: P1221523

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (6500K_L36_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221523
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 (6500K_L36_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

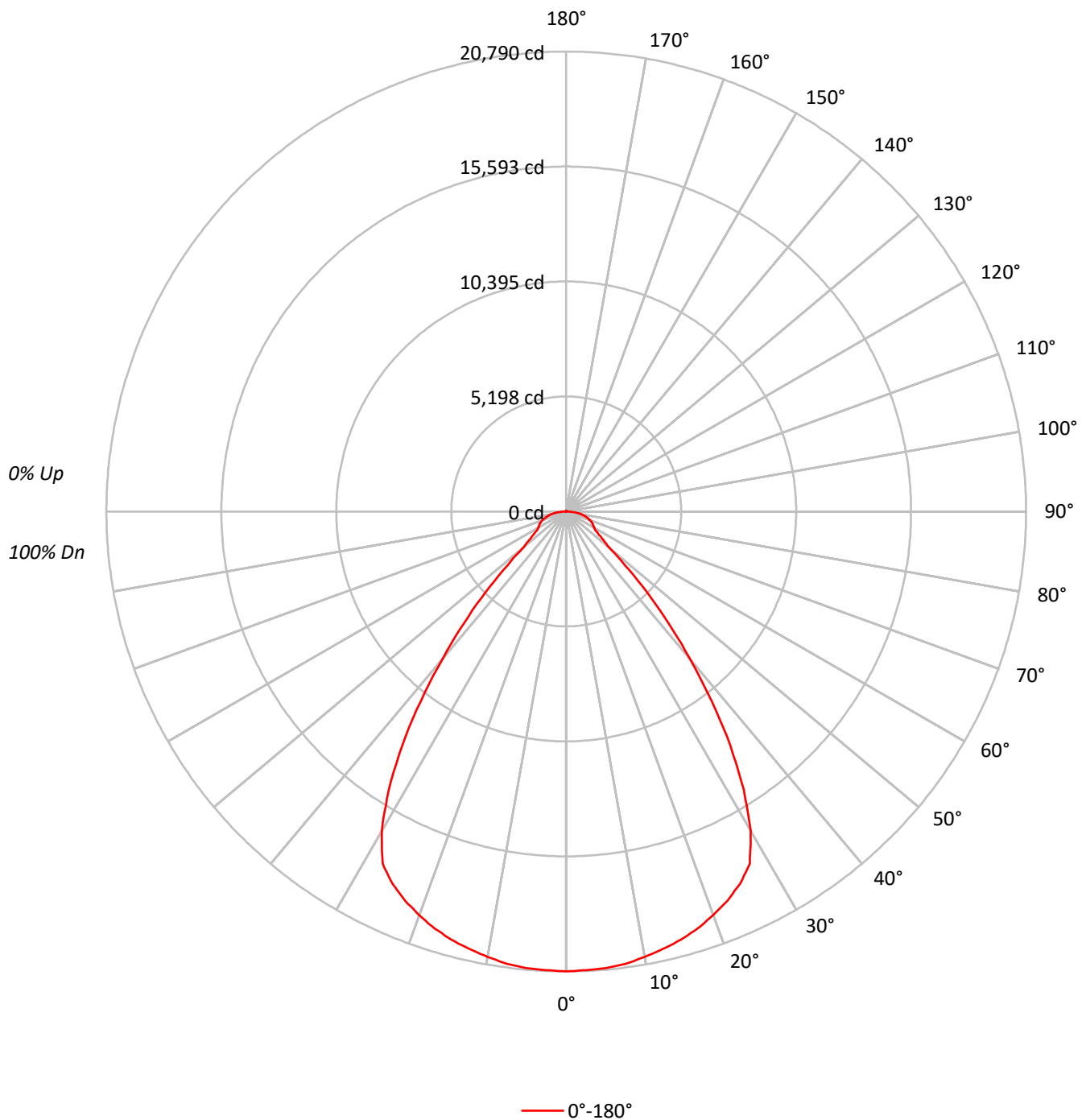
Lumens per Lamp: N/A
Luminaire Lumens: 32446.4 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	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°	119883
5°	114079
10°	108498
15°	103420
20°	98260
25°	92853
30°	82988
35°	64623
40°	43849
45°	26443
50°	13203
55°	9719
60°	8302
65°	7965
70°	7352
75°	6399
80°	4911
85°	2698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1969.0	6.1
10°-20°	5654.5	17.4
20°-30°	8485.4	26.2
30°-40°	7965.6	24.6
40°-50°	4028.2	12.4
50°-60°	1650.7	5.1
60°-70°	1294.7	4.0
70°-80°	955.2	2.9
80°-90°	343.4	1.1
90°-100°	9.6	0.0
100°-110°	10.1	0.0
110°-120°	10.7	0.0
120°-130°	11.1	0.0
130°-140°	13.5	0.0
140°-150°	17.7	0.1
150°-160°	15.7	0.0
160°-170°	8.5	0.0
170°-180°	2.9	0.0
0°-30°	16108.9	49.6
0°-40°	24074.5	74.2
0°-60°	29753.4	91.7
0°-90°	32346.6	99.7
90°-120°	30.4	0.1
90°-150°	72.6	0.2
90°-180°	100.0	0.3
0°-180°	32446.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20790	
5°	20717	###
15°	20040	5655
25°	18575	8485
35°	12941	7966
45°	5140	4028
55°	1774	1651
65°	1316	1295
75°	914	955
85°	313	323
90°	9	23
95°	8	7
105°	9	10
115°	11	11
125°	12	11
135°	18	13
145°	28	18
155°	34	16
165°	30	9
175°	31	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20790.1
2.5°	20753.6
5°	20717.1
7.5°	20620.5
10°	20441.4
12.5°	20256.4
15°	20039.6
17.5°	19767.4
20°	19422.2
22.5°	19036.9
25°	18575.0
27.5°	17962.4
30°	16673.4
32.5°	14934.3
35°	12940.7
37.5°	10797.4
40°	8684.8
42.5°	6817.3
45°	5139.5
47.5°	3600.7
50°	2497.9
52.5°	2094.9
55°	1774.4
57.5°	1557.6
60°	1449.2
62.5°	1382.1
65°	1316.1
67.5°	1233.6
70°	1137.0
72.5°	1032.1
75°	914.3
77.5°	784.7
80°	638.6
82.5°	483.1
85°	313.4
87.5°	141.4
90°	9.4
92.5°	8.2
95°	8.2
97.5°	9.4
100°	9.4
102.5°	9.4
105°	9.4
107.5°	9.4
110°	10.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	10.6
115°	10.6
117.5°	10.6
120°	11.8
122.5°	11.8
125°	11.8
127.5°	13.0
130°	14.1
132.5°	15.3
135°	17.7
137.5°	18.9
140°	22.4
142.5°	24.7
145°	28.3
147.5°	31.8
150°	35.3
152.5°	35.3
155°	34.2
157.5°	33.0
160°	30.6
162.5°	29.5
165°	29.5
167.5°	30.6
170°	30.6
172.5°	30.6
175°	30.6
177.5°	31.8
180°	34.2

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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	15.46	16.70	15.83	17.02	17.35	15.46	16.70	15.83	17.02	17.35
	3H	17.51	18.62	17.90	18.96	19.33	17.51	18.62	17.90	18.96	19.33
	4H	18.31	19.35	18.72	19.71	20.10	18.31	19.35	18.72	19.71	20.10
	6H	18.89	19.84	19.31	20.22	20.62	18.89	19.84	19.31	20.22	20.62
	8H	19.06	19.96	19.49	20.36	20.77	19.06	19.96	19.49	20.36	20.77
	12H	19.14	20.00	19.58	20.39	20.83	19.14	20.00	19.58	20.39	20.83
4H	2H	16.03	17.07	16.44	17.43	17.82	16.03	17.07	16.44	17.43	17.82
	3H	18.28	19.13	18.70	19.54	19.95	18.28	19.13	18.70	19.54	19.95
	4H	19.19	19.96	19.63	20.38	20.83	19.19	19.96	19.63	20.38	20.83
	6H	19.88	20.55	20.35	21.00	21.47	19.88	20.55	20.35	21.00	21.47
	8H	20.09	20.71	20.56	21.16	21.64	20.09	20.71	20.56	21.16	21.64
	12H	20.20	20.75	20.69	21.24	21.72	20.20	20.75	20.69	21.24	21.72
8H	4H	19.45	20.07	19.93	20.53	21.00	19.45	20.07	19.93	20.53	21.00
	6H	20.25	20.76	20.76	21.26	21.75	20.25	20.76	20.76	21.26	21.75
	8H	20.52	20.97	21.05	21.49	21.99	20.52	20.97	21.05	21.49	21.99
	12H	20.69	21.09	21.22	21.59	22.17	20.69	21.09	21.22	21.59	22.17
12H	4H	19.46	20.01	19.95	20.50	20.98	19.46	20.01	19.95	20.50	20.98
	6H	20.28	20.74	20.81	21.26	21.76	20.28	20.74	20.81	21.26	21.76
	8H	20.60	21.00	21.12	21.50	22.08	20.60	21.00	21.12	21.50	22.08

END OF REPORT