

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: P1221489

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L36_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221489
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 (3000K_L36_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

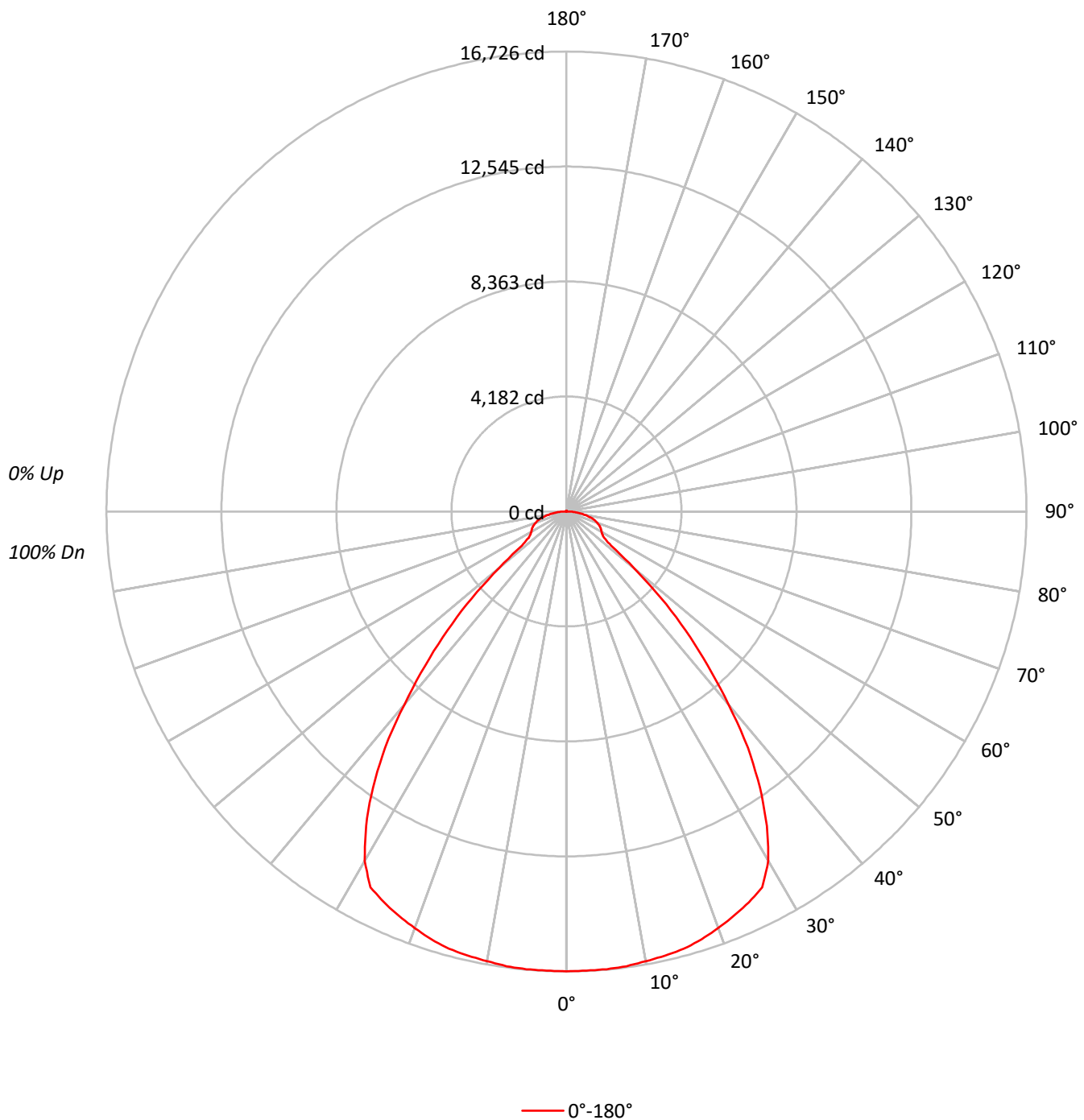
Lumens per Lamp: N/A
Luminaire Lumens: 30166.6 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 236.8
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	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	100							
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88							
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78							
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70							
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62							
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56							
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	61	57	53	51							
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46							
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42							
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	49	44	40	39							
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96448
5°	92027
10°	88161
15°	84977
20°	81582
25°	78431
30°	73036
35°	61267
40°	46314
45°	31555
50°	16877
55°	9155
60°	8449
65°	8215
70°	7671
75°	6659
80°	4960
85°	2703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31555 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1592.0	5.3
10°-20°	4649.3	15.4
20°-30°	7206.9	23.9
30°-40°	7563.6	25.1
40°-50°	4695.4	15.6
50°-60°	1688.5	5.6
60°-70°	1335.1	4.4
70°-80°	989.2	3.3
80°-90°	345.9	1.1
90°-100°	10.4	0.0
100°-110°	11.1	0.0
110°-120°	11.5	0.0
120°-130°	12.4	0.0
130°-140°	14.0	0.0
140°-150°	16.7	0.1
150°-160°	14.5	0.0
160°-170°	7.5	0.0
170°-180°	2.6	0.0
0°-30°	13448.3	44.6
0°-40°	21011.8	69.7
0°-60°	27395.8	90.8
0°-90°	30066.0	99.7
90°-120°	32.9	0.1
90°-150°	76.0	0.3
90°-180°	101.0	0.3
0°-180°	30166.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16726	
5°	16712	###
15°	16466	4649
25°	15690	7207
35°	12269	7564
45°	6133	4695
55°	1672	1689
65°	1358	1335
75°	952	989
85°	314	324
90°	10	24
95°	10	8
105°	11	11
115°	12	12
125°	14	12
135°	18	14
145°	26	17
155°	32	14
165°	26	8
175°	26	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16726.0
2.5°	16711.2
5°	16712.3
7.5°	16680.6
10°	16609.7
12.5°	16547.3
15°	16465.9
17.5°	16321.1
20°	16125.5
22.5°	15918.3
25°	15689.9
27.5°	15421.4
30°	14673.9
32.5°	13562.7
35°	12268.6
37.5°	10832.8
40°	9172.9
42.5°	7592.3
45°	6133.2
47.5°	4666.8
50°	3193.0
52.5°	2033.1
55°	1671.5
57.5°	1544.7
60°	1474.9
62.5°	1418.9
65°	1357.5
67.5°	1280.4
70°	1186.3
72.5°	1077.4
75°	951.5
77.5°	803.5
80°	644.9
82.5°	481.1
85°	314.0
87.5°	149.1
90°	9.5
92.5°	9.5
95°	9.5
97.5°	9.5
100°	9.5
102.5°	10.6
105°	10.6
107.5°	10.6
110°	10.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.6
115°	11.6
117.5°	11.6
120°	12.7
122.5°	12.7
125°	13.7
127.5°	14.8
130°	15.9
132.5°	16.9
135°	18.0
137.5°	19.0
140°	21.1
142.5°	24.3
145°	26.4
147.5°	29.6
150°	32.8
152.5°	32.8
155°	31.7
157.5°	29.6
160°	27.5
162.5°	26.4
165°	26.4
167.5°	26.4
170°	26.4
172.5°	26.4
175°	26.4
177.5°	28.5
180°	29.6

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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	15.59	16.89	15.96	17.21	17.54	15.59	16.89	15.96	17.21	17.54
	3H	17.81	18.97	18.20	19.31	19.68	17.81	18.97	18.20	19.31	19.68
	4H	18.66	19.74	19.06	20.10	20.49	18.66	19.74	19.06	20.10	20.49
	6H	19.23	20.23	19.66	20.61	21.01	19.23	20.23	19.66	20.61	21.01
	8H	19.40	20.34	19.83	20.74	21.15	19.40	20.34	19.83	20.74	21.15
	12H	19.48	20.38	19.91	20.77	21.21	19.48	20.38	19.91	20.77	21.21
4H	2H	16.24	17.32	16.65	17.68	18.07	16.24	17.32	16.65	17.68	18.07
	3H	18.63	19.52	19.05	19.93	20.35	18.63	19.52	19.05	19.93	20.35
	4H	19.58	20.38	20.02	20.81	21.26	19.58	20.38	20.02	20.81	21.26
	6H	20.27	20.96	20.73	21.41	21.89	20.27	20.96	20.73	21.41	21.89
	8H	20.46	21.11	20.93	21.56	22.04	20.46	21.11	20.93	21.56	22.04
	12H	20.57	21.15	21.06	21.64	22.12	20.57	21.15	21.06	21.64	22.12
8H	4H	19.86	20.51	20.33	20.96	21.44	19.86	20.51	20.33	20.96	21.44
	6H	20.64	21.17	21.15	21.68	22.17	20.64	21.17	21.15	21.68	22.17
	8H	20.89	21.37	21.42	21.89	22.39	20.89	21.37	21.42	21.89	22.39
	12H	21.06	21.49	21.58	21.99	22.56	21.06	21.49	21.58	21.99	22.56
12H	4H	19.87	20.44	20.36	20.93	21.41	19.87	20.44	20.36	20.93	21.41
	6H	20.67	21.15	21.20	21.67	22.17	20.67	21.15	21.20	21.67	22.17
	8H	20.97	21.39	21.49	21.89	22.47	20.97	21.39	21.49	21.89	22.47