

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1221412

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221412
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

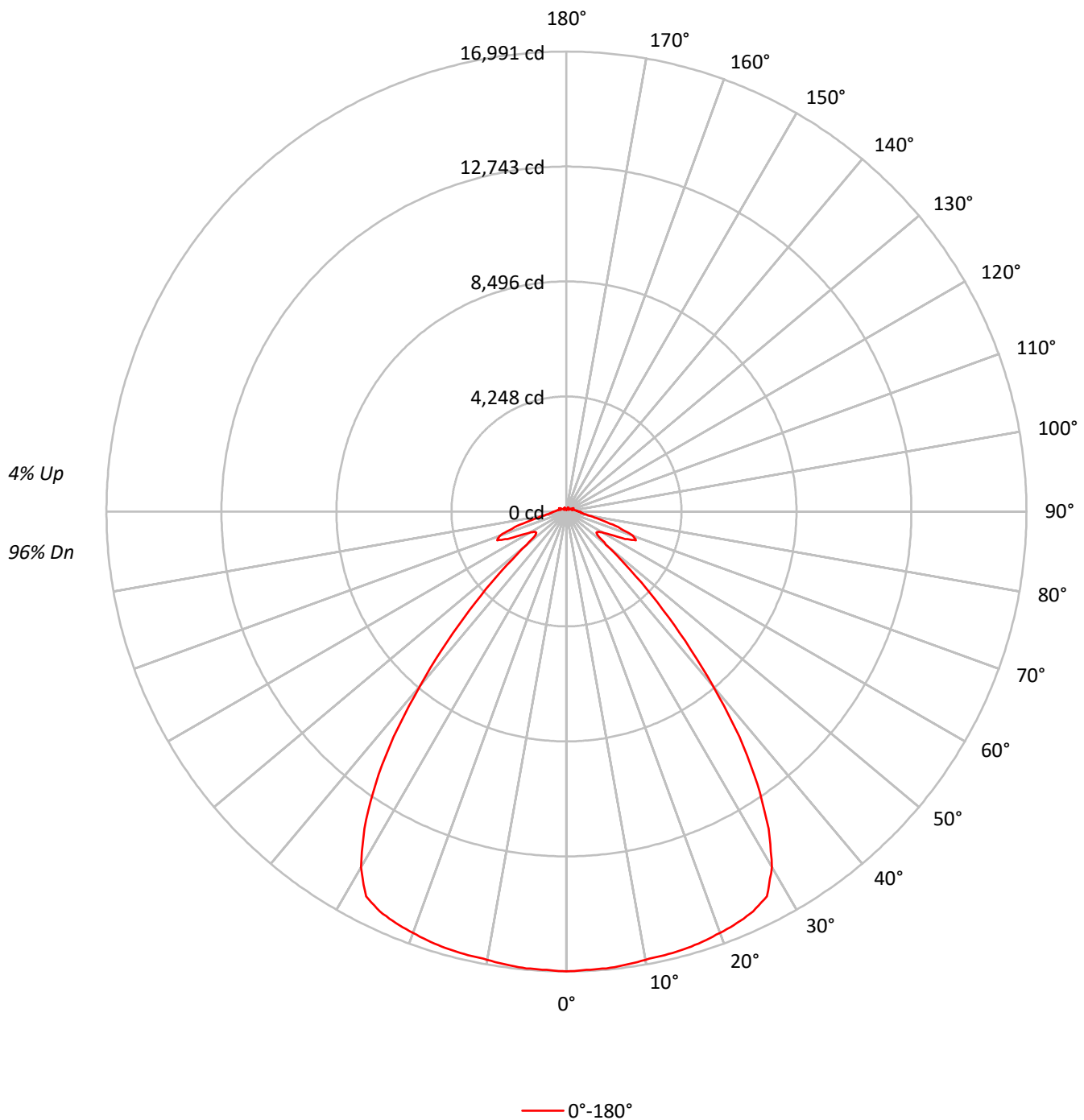
Lumens per Lamp: N/A
Luminaire Lumens: 32343.3 lumens
Efficiency: N/A
Efficacy: 167.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98	96		
1	109	105	101	98	106	102	99	96	98	95	92	93	91	89	89	87	86	86	86	86	86	86	83		
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75	75	75	75	75	75	73		
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	67	67	67	67	67	64		
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	60	58		
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	54	54	54	54	54	52		
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49	49	49	49	49	49	47		
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	45	45	45	45	45	43		
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	41	39		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	38	36		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97977
5°	93299
10°	89264
15°	86449
20°	83838
25°	81520
30°	75529
35°	61438
40°	42423
45°	24411
50°	10077
55°	7426
60°	8908
65°	14511
70°	16860
75°	10876
80°	6357
85°	4793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24411 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1613.3	5.0
10°-20°	4738.0	14.6
20°-30°	7468.3	23.1
30°-40°	7529.1	23.3
40°-50°	3725.2	11.5
50°-60°	1329.5	4.1
60°-70°	2271.2	7.0
70°-80°	1712.3	5.3
80°-90°	637.5	2.0
90°-100°	401.5	1.2
100°-110°	257.7	0.8
110°-120°	258.6	0.8
120°-130°	125.2	0.4
130°-140°	85.9	0.3
140°-150°	92.5	0.3
150°-160°	64.8	0.2
160°-170°	26.9	0.1
170°-180°	5.7	0.0
0°-30°	13819.6	42.7
0°-40°	21348.7	66.0
0°-60°	26403.5	81.6
0°-90°	31024.5	95.9
90°-120°	917.9	2.8
90°-150°	1221.4	3.8
90°-180°	1319.0	4.1
0°-180°	32343.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16991	
5°	16943	###
15°	16751	4738
25°	16308	7468
35°	12303	7529
45°	4745	3725
55°	1356	1330
65°	2398	2271
75°	1554	1712
85°	557	508
90°	441	245
95°	366	286
105°	217	258
115°	276	259
125°	133	125
135°	107	86
145°	150	92
155°	143	65
165°	92	27
175°	56	6
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16991.3
2.5°	16954.5
5°	16943.3
7.5°	16895.3
10°	16817.6
12.5°	16784.9
15°	16751.2
17.5°	16675.6
20°	16571.4
22.5°	16465.2
25°	16307.8
27.5°	16032.0
30°	15174.8
32.5°	13892.6
35°	12302.9
37.5°	10485.4
40°	8402.2
42.5°	6495.8
45°	4744.6
47.5°	3202.9
50°	1906.4
52.5°	1453.8
55°	1355.8
57.5°	1397.6
60°	1555.0
62.5°	1860.5
65°	2397.8
67.5°	2777.9
70°	2607.3
72.5°	2104.6
75°	1554.0
77.5°	1125.9
80°	826.5
82.5°	642.6
85°	556.8
87.5°	505.7
90°	441.4
92.5°	399.5
95°	365.8
97.5°	337.1
100°	296.3
102.5°	245.2
105°	216.6
107.5°	229.9
110°	268.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	291.2
115°	275.8
117.5°	239.1
120°	199.2
122.5°	162.4
125°	132.8
127.5°	110.3
130°	98.1
132.5°	97.1
135°	107.3
137.5°	123.6
140°	137.9
142.5°	147.1
145°	150.2
147.5°	149.2
150°	148.1
152.5°	146.1
155°	143.0
157.5°	133.8
160°	120.6
162.5°	106.3
165°	91.9
167.5°	77.6
170°	65.4
172.5°	59.3
175°	56.2
177.5°	55.2
180°	55.2

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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	14.54	15.81	14.98	16.21	16.63	14.54	15.81	14.98	16.21	16.63
	3H	20.91	22.05	21.36	22.47	22.93	20.91	22.05	21.36	22.47	22.93
	4H	21.82	22.90	22.30	23.33	23.81	21.82	22.90	22.30	23.33	23.81
	6H	22.18	23.18	22.67	23.63	24.12	22.18	23.18	22.67	23.63	24.12
	8H	22.27	23.22	22.77	23.69	24.19	22.27	23.22	22.77	23.69	24.19
	12H	22.35	23.25	22.85	23.71	24.24	22.35	23.25	22.85	23.71	24.24
4H	2H	16.74	17.81	17.21	18.24	18.73	16.74	17.81	17.21	18.24	18.73
	3H	22.03	22.94	22.52	23.42	23.92	22.03	22.94	22.52	23.42	23.92
	4H	22.93	23.75	23.44	24.24	24.78	22.93	23.75	23.44	24.24	24.78
	6H	23.34	24.05	23.87	24.57	25.13	23.34	24.05	23.87	24.57	25.13
	8H	23.44	24.11	23.98	24.63	25.19	23.44	24.11	23.98	24.63	25.19
	12H	23.54	24.14	24.10	24.69	25.26	23.54	24.14	24.10	24.69	25.26
8H	4H	23.18	23.84	23.71	24.36	24.93	23.18	23.84	23.71	24.36	24.93
	6H	23.65	24.19	24.21	24.76	25.33	23.65	24.19	24.21	24.76	25.33
	8H	23.80	24.29	24.38	24.87	25.46	23.80	24.29	24.38	24.87	25.46
	12H	23.97	24.40	24.55	24.96	25.62	23.97	24.40	24.55	24.96	25.62
12H	4H	23.17	23.76	23.72	24.31	24.88	23.17	23.76	23.72	24.31	24.88
	6H	23.65	24.14	24.23	24.72	25.31	23.65	24.14	24.23	24.72	25.31
	8H	23.85	24.28	24.43	24.84	25.50	23.85	24.28	24.43	24.84	25.50