

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: P1221403

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221403
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 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

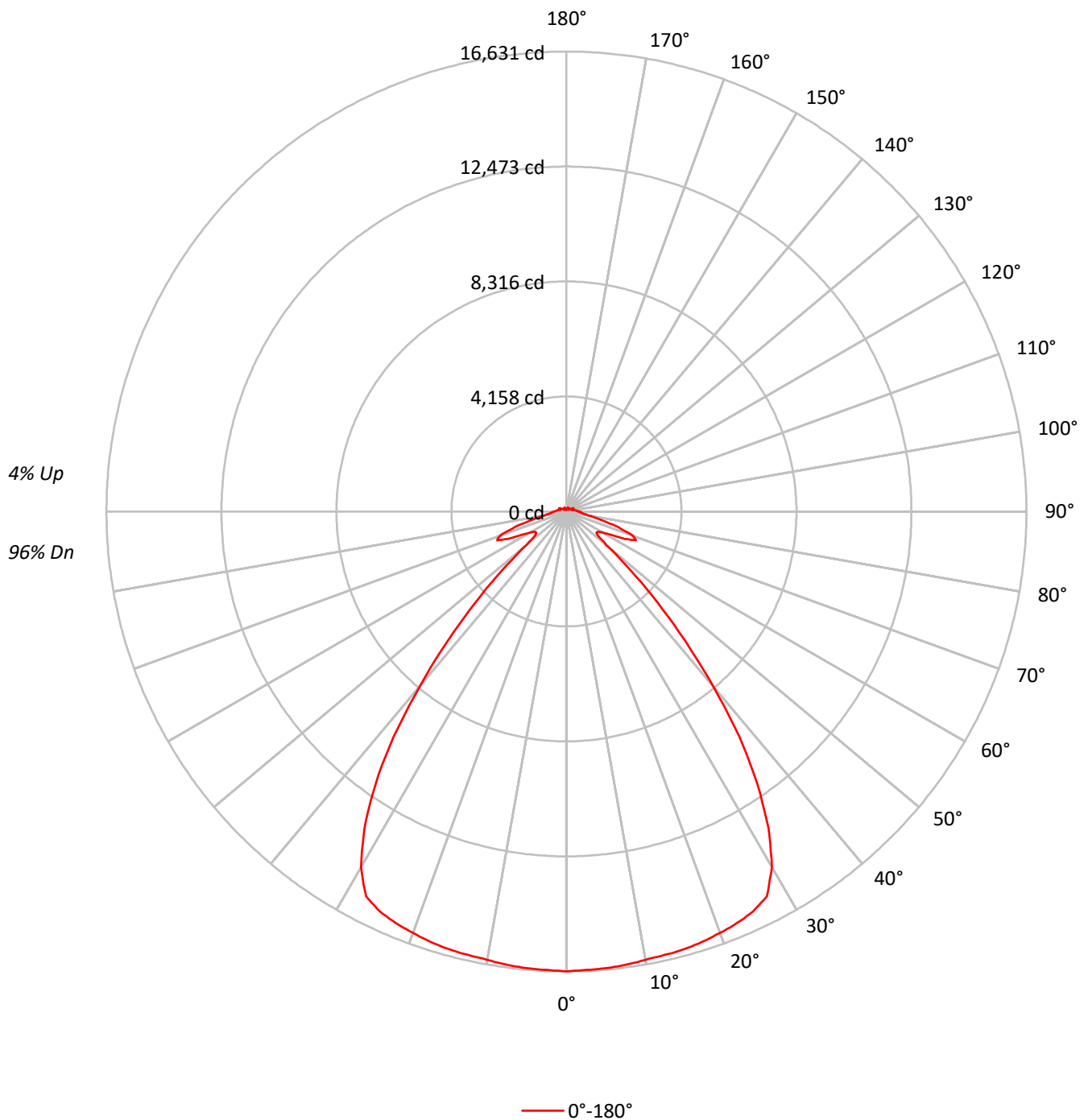
Lumens per Lamp: N/A
Luminaire Lumens: 31657.5 lumens
Efficiency: N/A
Efficacy: 163.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.4
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°	95900
5°	91320
10°	87371
15°	84616
20°	82060
25°	79791
30°	73928
35°	60135
40°	41523
45°	23893
50°	9863
55°	7268
60°	8719
65°	14204
70°	16502
75°	10645
80°	6222
85°	4691

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23893 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1579.1	5.0
10°-20°	4637.6	14.6
20°-30°	7309.9	23.1
30°-40°	7369.4	23.3
40°-50°	3646.2	11.5
50°-60°	1301.4	4.1
60°-70°	2223.0	7.0
70°-80°	1676.0	5.3
80°-90°	624.0	2.0
90°-100°	393.0	1.2
100°-110°	252.3	0.8
110°-120°	253.1	0.8
120°-130°	122.5	0.4
130°-140°	84.0	0.3
140°-150°	90.5	0.3
150°-160°	63.5	0.2
160°-170°	26.4	0.1
170°-180°	5.5	0.0
0°-30°	13526.6	42.7
0°-40°	20896.0	66.0
0°-60°	25843.6	81.6
0°-90°	30366.6	95.9
90°-120°	898.4	2.8
90°-150°	1195.5	3.8
90°-180°	1291.0	4.1
0°-180°	31657.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16631	
5°	16584	###
15°	16396	4638
25°	15962	7310
35°	12042	7369
45°	4644	3646
55°	1327	1301
65°	2347	2223
75°	1521	1676
85°	545	497
90°	432	240
95°	358	280
105°	212	252
115°	270	253
125°	130	123
135°	105	84
145°	147	91
155°	140	63
165°	90	26
175°	55	6
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16631
2.5°	16595
5°	16584
7.5°	16537
10°	16461
12.5°	16429
15°	16396
17.5°	16322
20°	16220
22.5°	16116
25°	15962
27.5°	15692
30°	14853
32.5°	13598
35°	12042
37.5°	10263
40°	8224
42.5°	6358
45°	4644
47.5°	3135
50°	1866
52.5°	1423
55°	1327
57.5°	1368
60°	1522
62.5°	1821
65°	2347
67.5°	2719
70°	2552
72.5°	2060
75°	1521
77.5°	1102
80°	809
82.5°	629
85°	545
87.5°	495
90°	432
92.5°	391
95°	358
97.5°	330
100°	290
102.5°	240
105°	212
107.5°	225
110°	263

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	285
115°	270
117.5°	234
120°	195
122.5°	159
125°	130
127.5°	108
130°	96
132.5°	95
135°	105
137.5°	121
140°	135
142.5°	144
145°	147
147.5°	146
150°	145
152.5°	143
155°	140
157.5°	131
160°	118
162.5°	104
165°	90
167.5°	76
170°	64
172.5°	58
175°	55
177.5°	54
180°	54

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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	14.47	15.73	14.90	16.13	16.55	14.47	15.73	14.90	16.13	16.55
	3H	20.83	21.98	21.28	22.39	22.86	20.83	21.98	21.28	22.39	22.86
	4H	21.75	22.82	22.22	23.26	23.74	21.75	22.82	22.22	23.26	23.74
	6H	22.11	23.10	22.59	23.55	24.05	22.11	23.10	22.59	23.55	24.05
	8H	22.20	23.14	22.70	23.61	24.12	22.20	23.14	22.70	23.61	24.12
	12H	22.27	23.17	22.77	23.64	24.17	22.27	23.17	22.77	23.64	24.17
4H	2H	16.66	17.74	17.13	18.17	18.65	16.66	17.74	17.13	18.17	18.65
	3H	21.96	22.86	22.44	23.34	23.85	21.96	22.86	22.44	23.34	23.85
	4H	22.86	23.67	23.36	24.17	24.71	22.86	23.67	23.36	24.17	24.71
	6H	23.26	23.98	23.79	24.50	25.05	23.26	23.98	23.79	24.50	25.05
	8H	23.37	24.04	23.90	24.56	25.12	23.37	24.04	23.90	24.56	25.12
	12H	23.47	24.06	24.02	24.62	25.18	23.47	24.06	24.02	24.62	25.18
8H	4H	23.10	23.77	23.64	24.29	24.85	23.10	23.77	23.64	24.29	24.85
	6H	23.57	24.12	24.14	24.69	25.26	23.57	24.12	24.14	24.69	25.26
	8H	23.73	24.22	24.31	24.80	25.38	23.73	24.22	24.31	24.80	25.38
	12H	23.89	24.32	24.47	24.89	25.54	23.89	24.32	24.47	24.89	25.54
12H	4H	23.09	23.69	23.65	24.24	24.81	23.09	23.69	23.65	24.24	24.81
	6H	23.58	24.07	24.16	24.65	25.23	23.58	24.07	24.16	24.65	25.23
	8H	23.77	24.20	24.35	24.77	25.42	23.77	24.20	24.35	24.77	25.42

END OF REPORT