

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: P1221358

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221358
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-BLAK-08 (3500K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

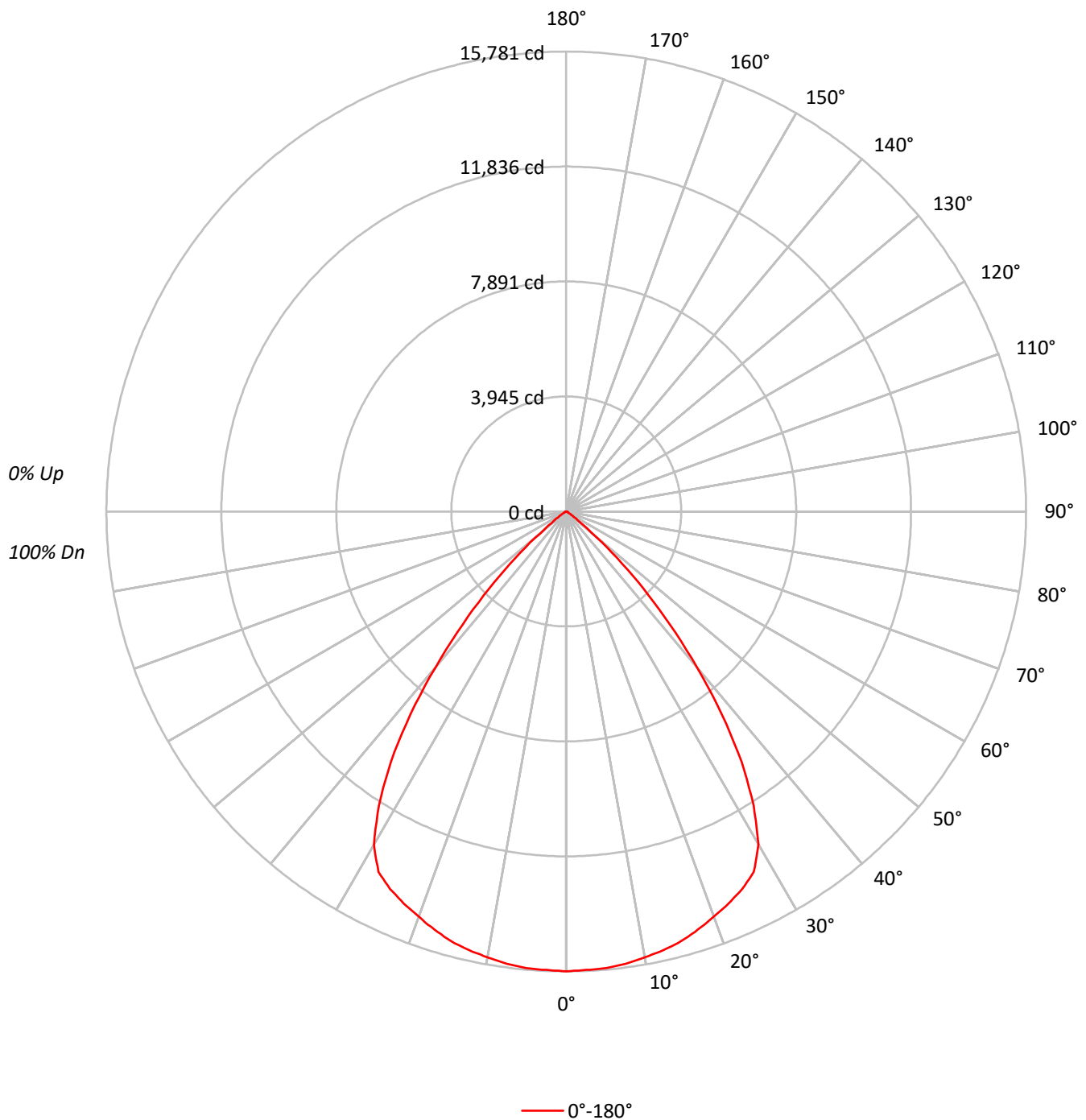
Lumens per Lamp: N/A
Luminaire Lumens: 22143.7 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.3
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92								
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	84								
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77								
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71								
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	54								
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50								
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46								
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44	43								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90998
5°	86612
10°	82456
15°	78779
20°	74871
25°	71448
30°	65670
35°	52375
40°	35267
45°	19232
50°	6068
55°	1692
60°	435
65°	284
70°	272
75°	252
80°	200
85°	121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19232 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1495.2	6.8
10°-20°	4304.7	19.4
20°-30°	6552.8	29.6
30°-40°	6413.6	29.0
40°-50°	2925.1	13.2
50°-60°	349.6	1.6
60°-70°	50.7	0.2
70°-80°	37.2	0.2
80°-90°	14.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12352.7	55.8
0°-40°	18766.3	84.7
0°-60°	22041.0	99.5
0°-90°	22143.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22143.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15781	
5°	15729	###
15°	15265	4305
25°	14293	6553
35°	10488	6414
45°	3738	2925
55°	309	350
65°	47	51
75°	36	37
85°	14	15
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15781
2.5°	15747
5°	15729
7.5°	15657
10°	15535
12.5°	15417
15°	15265
17.5°	15045
20°	14799
22.5°	14562
25°	14293
27.5°	13947
30°	13194
32.5°	11966
35°	10488
37.5°	8783
40°	6985
42.5°	5252
45°	3738
47.5°	2369
50°	1148
52.5°	523
55°	309
57.5°	151
60°	76
62.5°	54
65°	47
67.5°	45
70°	42
72.5°	39
75°	36
77.5°	32
80°	26
82.5°	20
85°	14
87.5°	7
90°	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	0.56	1.65	0.93	1.96	2.27	0.56	1.65	0.93	1.96	2.27
	3H	0.83	1.78	1.21	2.11	2.48	0.83	1.78	1.21	2.11	2.48
	4H	1.02	1.89	1.42	2.24	2.63	1.02	1.89	1.42	2.24	2.63
	6H	1.18	1.98	1.60	2.35	2.75	1.18	1.98	1.60	2.35	2.75
	8H	1.22	1.97	1.65	2.36	2.77	1.22	1.97	1.65	2.36	2.77
	12H	1.23	1.95	1.66	2.33	2.76	1.23	1.95	1.66	2.33	2.76
4H	2H	0.43	1.30	0.83	1.66	2.04	0.43	1.30	0.83	1.66	2.04
	3H	0.84	1.55	1.26	1.96	2.36	0.84	1.55	1.26	1.96	2.36
	4H	1.13	1.75	1.56	2.18	2.63	1.13	1.75	1.56	2.18	2.63
	6H	1.41	1.94	1.88	2.39	2.87	1.41	1.94	1.88	2.39	2.87
	8H	1.48	1.98	1.95	2.43	2.90	1.48	1.98	1.95	2.43	2.90
	12H	1.52	1.95	2.01	2.44	2.92	1.52	1.95	2.01	2.44	2.92
8H	4H	1.14	1.64	1.61	2.09	2.56	1.14	1.64	1.61	2.09	2.56
	6H	1.49	1.89	2.00	2.40	2.88	1.49	1.89	2.00	2.40	2.88
	8H	1.61	1.97	2.14	2.49	2.99	1.61	1.97	2.14	2.49	2.99
	12H	1.70	2.02	2.22	2.52	3.09	1.70	2.02	2.22	2.52	3.09
12H	4H	1.10	1.54	1.60	2.03	2.50	1.10	1.54	1.60	2.03	2.50
	6H	1.47	1.83	2.00	2.35	2.85	1.47	1.83	2.00	2.35	2.85
	8H	1.63	1.95	2.15	2.44	3.02	1.63	1.95	2.15	2.44	3.02

END OF REPORT