

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: P1221504

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (4000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221504
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 (4000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

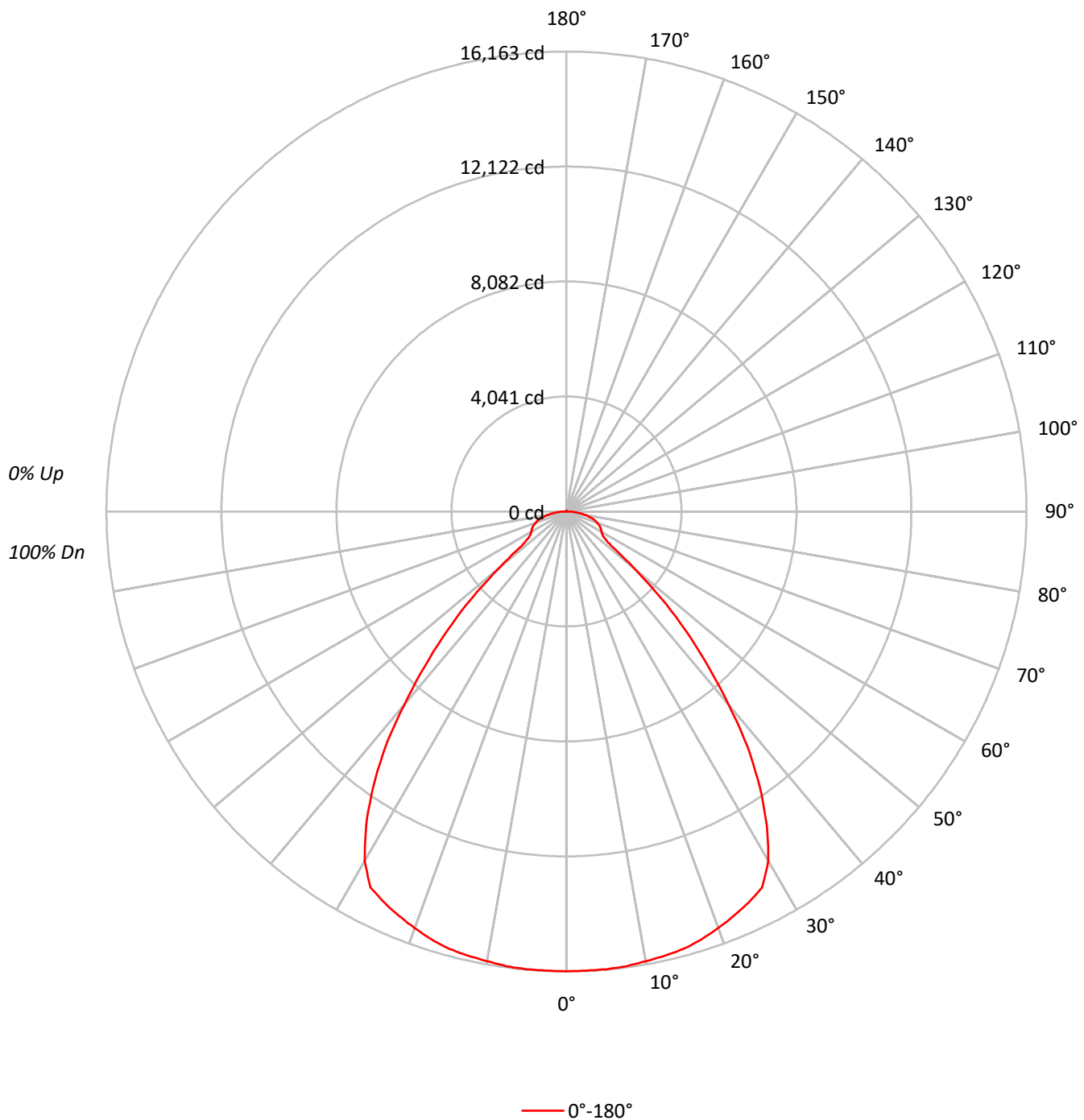
Lumens per Lamp: N/A
Luminaire Lumens: 29150.6 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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
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°	93200
5°	88928
10°	85192
15°	82115
20°	78834
25°	75789
30°	70577
35°	59204
40°	44754
45°	30493
50°	16309
55°	8847
60°	8164
65°	7939
70°	7412
75°	6436
80°	4793
85°	2611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 30493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1538.4	5.3
10°-20°	4492.7	15.4
20°-30°	6964.2	23.9
30°-40°	7308.8	25.1
40°-50°	4537.3	15.6
50°-60°	1631.7	5.6
60°-70°	1290.1	4.4
70°-80°	955.9	3.3
80°-90°	334.3	1.1
90°-100°	10.0	0.0
100°-110°	10.7	0.0
110°-120°	11.1	0.0
120°-130°	12.0	0.0
130°-140°	13.5	0.0
140°-150°	16.1	0.1
150°-160°	14.0	0.0
160°-170°	7.3	0.0
170°-180°	2.5	0.0
0°-30°	12995.4	44.6
0°-40°	20304.2	69.7
0°-60°	26473.2	90.8
0°-90°	29053.5	99.7
90°-120°	31.8	0.1
90°-150°	73.5	0.3
90°-180°	97.0	0.3
0°-180°	29150.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16163	
5°	16150	###
15°	15911	4493
25°	15162	6964
35°	11855	7309
45°	5927	4537
55°	1615	1632
65°	1312	1290
75°	920	956
85°	303	313
90°	9	24
95°	9	8
105°	10	11
115°	11	11
125°	13	12
135°	17	13
145°	26	16
155°	31	14
165°	26	7
175°	26	2
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16162.8
2.5°	16148.4
5°	16149.5
7.5°	16118.8
10°	16050.4
12.5°	15990.1
15°	15911.4
17.5°	15771.5
20°	15582.4
22.5°	15382.2
25°	15161.5
27.5°	14902.0
30°	14179.7
32.5°	13105.9
35°	11855.4
37.5°	10468.0
40°	8864.0
42.5°	7336.6
45°	5926.7
47.5°	4509.6
50°	3085.4
52.5°	1964.7
55°	1615.3
57.5°	1492.7
60°	1425.2
62.5°	1371.1
65°	1311.8
67.5°	1237.2
70°	1146.3
72.5°	1041.1
75°	919.5
77.5°	776.5
80°	623.2
82.5°	464.9
85°	303.4
87.5°	144.1
90°	9.2
92.5°	9.2
95°	9.2
97.5°	9.2
100°	9.2
102.5°	10.2
105°	10.2
107.5°	10.2
110°	10.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.2
115°	11.2
117.5°	11.2
120°	12.3
122.5°	12.3
125°	13.3
127.5°	14.3
130°	15.3
132.5°	16.3
135°	17.4
137.5°	18.4
140°	20.4
142.5°	23.5
145°	25.5
147.5°	28.6
150°	31.7
152.5°	31.7
155°	30.6
157.5°	28.6
160°	26.6
162.5°	25.5
165°	25.5
167.5°	25.5
170°	25.5
172.5°	25.5
175°	25.5
177.5°	27.6
180°	28.6

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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	15.47	16.78	15.85	17.10	17.42	15.47	16.78	15.85	17.10	17.42
	3H	17.69	18.85	18.08	19.19	19.56	17.69	18.85	18.08	19.19	19.56
	4H	18.54	19.62	18.95	19.98	20.37	18.54	19.62	18.95	19.98	20.37
	6H	19.12	20.11	19.54	20.49	20.89	19.12	20.11	19.54	20.49	20.89
	8H	19.28	20.22	19.71	20.62	21.03	19.28	20.22	19.71	20.62	21.03
	12H	19.36	20.26	19.79	20.65	21.09	19.36	20.26	19.79	20.65	21.09
4H	2H	16.12	17.20	16.53	17.56	17.95	16.12	17.20	16.53	17.56	17.95
	3H	18.51	19.40	18.93	19.81	20.23	18.51	19.40	18.93	19.81	20.23
	4H	19.46	20.27	19.90	20.69	21.14	19.46	20.27	19.90	20.69	21.14
	6H	20.15	20.84	20.62	21.30	21.77	20.15	20.84	20.62	21.30	21.77
	8H	20.34	20.99	20.82	21.44	21.92	20.34	20.99	20.82	21.44	21.92
	12H	20.45	21.03	20.94	21.52	22.00	20.45	21.03	20.94	21.52	22.00
8H	4H	19.74	20.39	20.21	20.84	21.32	19.74	20.39	20.21	20.84	21.32
	6H	20.52	21.06	21.03	21.56	22.05	20.52	21.06	21.03	21.56	22.05
	8H	20.78	21.26	21.30	21.78	22.28	20.78	21.26	21.30	21.78	22.28
	12H	20.94	21.37	21.46	21.87	22.45	20.94	21.37	21.46	21.87	22.45
12H	4H	19.75	20.32	20.24	20.81	21.29	19.75	20.32	20.24	20.81	21.29
	6H	20.55	21.03	21.08	21.55	22.05	20.55	21.03	21.08	21.55	22.05
	8H	20.85	21.27	21.37	21.78	22.35	20.85	21.27	21.37	21.78	22.35

END OF REPORT