

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: P1221413

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (4000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221413
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

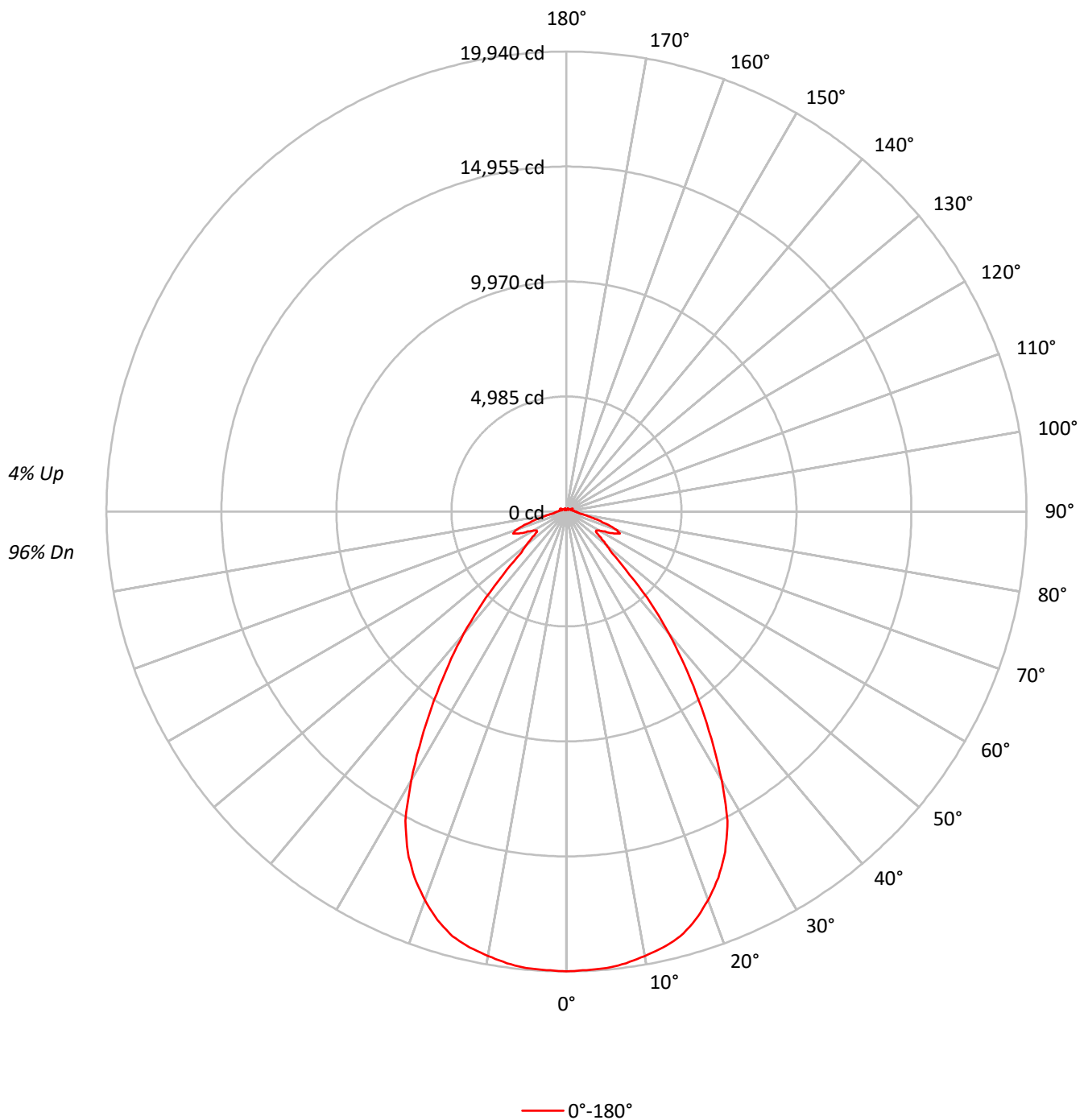
Lumens per Lamp: N/A
Luminaire Lumens: 30967.8 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114980
5°	109473
10°	103857
15°	98423
20°	90764
25°	81418
30°	66986
35°	49913
40°	34937
45°	19927
50°	11994
55°	8506
60°	9487
65°	13757
70°	14792
75°	9417
80°	5501
85°	4107

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 19927 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1887.2	6.1
10°-20°	5346.8	17.3
20°-30°	7382.1	23.8
30°-40°	6243.6	20.2
40°-50°	3152.8	10.2
50°-60°	1549.6	5.0
60°-70°	2150.2	6.9
70°-80°	1486.5	4.8
80°-90°	546.2	1.8
90°-100°	342.6	1.1
100°-110°	240.9	0.8
110°-120°	261.7	0.8
120°-130°	123.8	0.4
130°-140°	79.3	0.3
140°-150°	83.7	0.3
150°-160°	59.7	0.2
160°-170°	25.2	0.1
170°-180°	5.9	0.0
0°-30°	14616.2	47.2
0°-40°	20859.8	67.4
0°-60°	25562.1	82.5
0°-90°	29745.0	96.1
90°-120°	845.3	2.7
90°-150°	1132.1	3.7
90°-180°	1223.0	3.9
0°-180°	30967.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19940	
5°	19881	###
15°	19071	5347
25°	16287	7382
35°	9995	6244
45°	3873	3153
55°	1553	1550
65°	2273	2150
75°	1346	1486
85°	477	436
90°	373	207
95°	313	245
105°	205	241
115°	279	262
125°	131	124
135°	99	79
145°	136	84
155°	131	60
165°	86	25
175°	60	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19939.9
2.5°	19903.1
5°	19880.6
7.5°	19757.0
10°	19566.9
12.5°	19369.8
15°	19071.4
17.5°	18581.0
20°	17940.5
22.5°	17198.7
25°	16287.4
27.5°	15118.6
30°	13458.4
32.5°	11686.8
35°	9995.0
37.5°	8396.1
40°	6919.7
42.5°	5421.0
45°	3873.1
47.5°	2668.6
50°	2269.1
52.5°	1887.0
55°	1552.9
57.5°	1531.5
60°	1656.1
62.5°	1889.1
65°	2273.2
67.5°	2508.2
70°	2287.5
72.5°	1822.7
75°	1345.5
77.5°	974.7
80°	715.2
82.5°	553.7
85°	477.1
87.5°	429.1
90°	372.9
92.5°	339.2
95°	312.6
97.5°	289.1
100°	256.4
102.5°	218.6
105°	205.4
107.5°	223.7
110°	270.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	298.3
115°	278.9
117.5°	240.1
120°	199.2
122.5°	161.4
125°	130.8
127.5°	108.3
130°	96.0
132.5°	93.0
135°	99.1
137.5°	110.3
140°	121.6
142.5°	130.8
145°	135.9
147.5°	137.9
150°	137.9
152.5°	135.9
155°	130.8
157.5°	121.6
160°	110.3
162.5°	98.1
165°	85.8
167.5°	74.6
170°	64.4
172.5°	61.3
175°	60.3
177.5°	59.3
180°	59.3

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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	15.34	16.59	15.77	16.99	17.40	15.34	16.59	15.77	16.99	17.40
	3H	20.55	21.68	21.00	22.09	22.55	20.55	21.68	21.00	22.09	22.55
	4H	21.35	22.41	21.82	22.84	23.32	21.35	22.41	21.82	22.84	23.32
	6H	21.67	22.65	22.15	23.10	23.59	21.67	22.65	22.15	23.10	23.59
	8H	21.75	22.68	22.24	23.15	23.65	21.75	22.68	22.24	23.15	23.65
	12H	21.81	22.70	22.31	23.16	23.68	21.81	22.70	22.31	23.16	23.68
4H	2H	17.08	18.14	17.55	18.57	19.05	17.08	18.14	17.55	18.57	19.05
	3H	21.61	22.50	22.09	22.98	23.47	21.61	22.50	22.09	22.98	23.47
	4H	22.41	23.21	22.91	23.71	24.24	22.41	23.21	22.91	23.71	24.24
	6H	22.78	23.47	23.30	23.99	24.55	22.78	23.47	23.30	23.99	24.55
	8H	22.87	23.52	23.40	24.04	24.60	22.87	23.52	23.40	24.04	24.60
	12H	22.96	23.54	23.51	24.09	24.65	22.96	23.54	23.51	24.09	24.65
8H	4H	22.62	23.28	23.16	23.80	24.36	22.62	23.28	23.16	23.80	24.36
	6H	23.05	23.59	23.62	24.15	24.72	23.05	23.59	23.62	24.15	24.72
	8H	23.19	23.67	23.77	24.25	24.83	23.19	23.67	23.77	24.25	24.83
	12H	23.34	23.76	23.92	24.32	24.98	23.34	23.76	23.92	24.32	24.98
12H	4H	22.61	23.19	23.16	23.74	24.31	22.61	23.19	23.16	23.74	24.31
	6H	23.05	23.53	23.63	24.11	24.69	23.05	23.53	23.63	24.11	24.69
	8H	23.23	23.65	23.81	24.21	24.87	23.23	23.65	23.81	24.21	24.87

END OF REPORT