

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: P1221404

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221404
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 (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

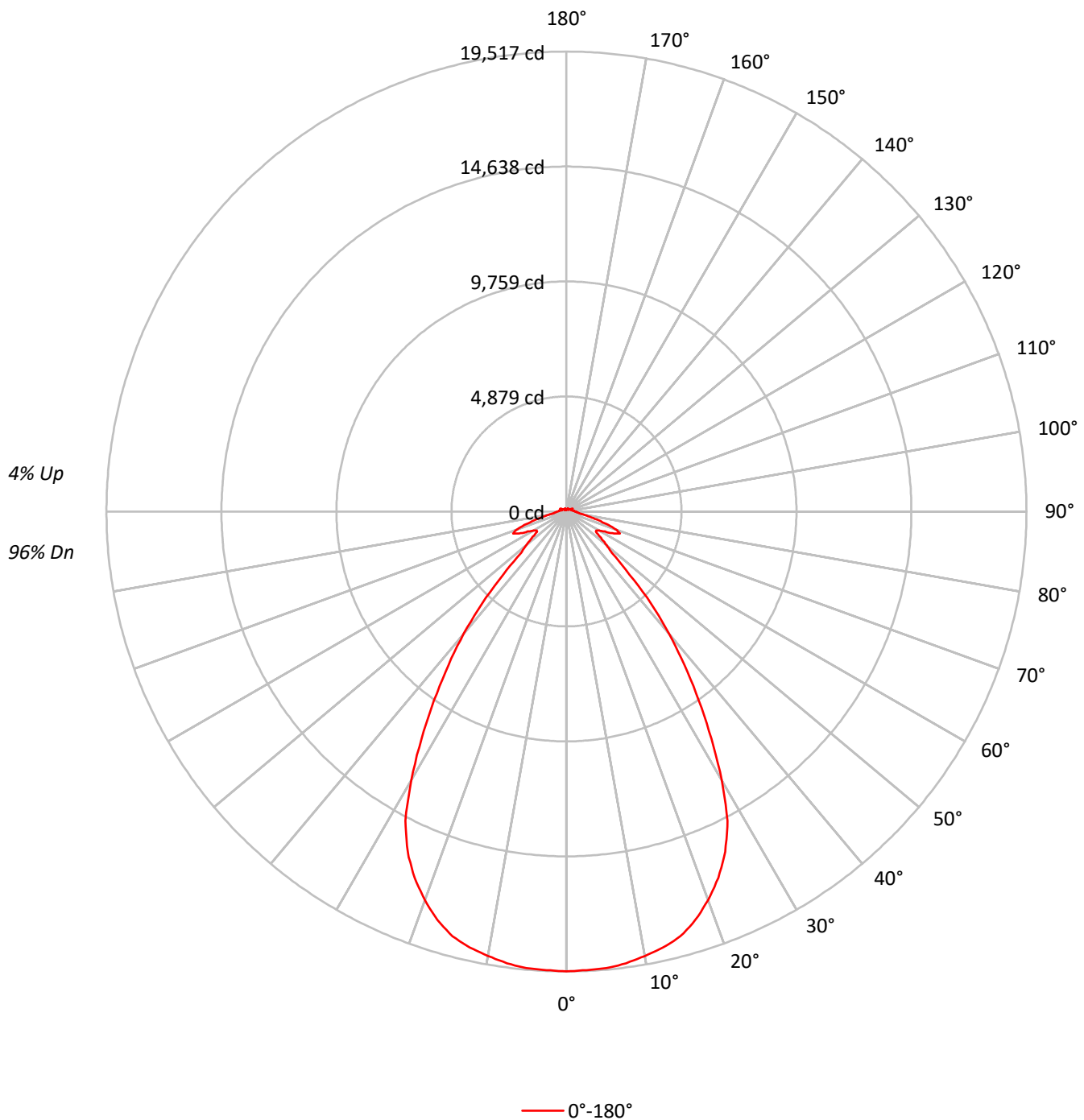
Lumens per Lamp: N/A
Luminaire Lumens: 30311.2 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.3
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

TEST NUMBER: P1221404

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221404

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

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°	112541
5°	107151
10°	101655
15°	96336
20°	88839
25°	79691
30°	65566
35°	48854
40°	34197
45°	19505
50°	11740
55°	8325
60°	9286
65°	13466
70°	14478
75°	9218
80°	5384
85°	4020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 19505 cd/sqm

TEST NUMBER: P1221404

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1847.2	6.1
10°-20°	5233.4	17.3
20°-30°	7225.6	23.8
30°-40°	6111.2	20.2
40°-50°	3085.9	10.2
50°-60°	1516.7	5.0
60°-70°	2104.6	6.9
70°-80°	1454.9	4.8
80°-90°	534.6	1.8
90°-100°	335.4	1.1
100°-110°	235.9	0.8
110°-120°	256.2	0.8
120°-130°	121.2	0.4
130°-140°	77.6	0.3
140°-150°	82.0	0.3
150°-160°	58.4	0.2
160°-170°	24.6	0.1
170°-180°	5.7	0.0
0°-30°	14306.2	47.2
0°-40°	20417.4	67.4
0°-60°	25020.0	82.5
0°-90°	29114.2	96.1
90°-120°	827.4	2.7
90°-150°	1108.2	3.7
90°-180°	1197.0	3.9
0°-180°	30311.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19517	
5°	19459	###
15°	18667	5233
25°	15942	7226
35°	9783	6111
45°	3791	3086
55°	1520	1517
65°	2225	2105
75°	1317	1455
85°	467	427
90°	365	203
95°	306	240
105°	201	236
115°	273	256
125°	128	121
135°	97	78
145°	133	82
155°	128	58
165°	84	25
175°	59	6
180°	58	

TEST NUMBER: P1221404

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	19517
2.5°	19481
5°	19459
7.5°	19338
10°	19152
12.5°	18959
15°	18667
17.5°	18187
20°	17560
22.5°	16834
25°	15942
27.5°	14798
30°	13173
32.5°	11439
35°	9783
37.5°	8218
40°	6773
42.5°	5306
45°	3791
47.5°	2612
50°	2221
52.5°	1847
55°	1520
57.5°	1499
60°	1621
62.5°	1849
65°	2225
67.5°	2455
70°	2239
72.5°	1784
75°	1317
77.5°	954
80°	700
82.5°	542
85°	467
87.5°	420
90°	365
92.5°	332
95°	306
97.5°	283
100°	251
102.5°	214
105°	201
107.5°	219
110°	265

TEST NUMBER: P1221404

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	292
115°	273
117.5°	235
120°	195
122.5°	158
125°	128
127.5°	106
130°	94
132.5°	91
135°	97
137.5°	108
140°	119
142.5°	128
145°	133
147.5°	135
150°	135
152.5°	133
155°	128
157.5°	119
160°	108
162.5°	96
165°	84
167.5°	73
170°	63
172.5°	60
175°	59
177.5°	58
180°	58

TEST NUMBER: P1221404

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3500K_L32_Narrow_120V)

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	15.26	16.51	15.70	16.91	17.33	15.26	16.51	15.70	16.91	17.33
	3H	20.47	21.60	20.92	22.01	22.48	20.47	21.60	20.92	22.01	22.48
	4H	21.28	22.34	21.75	22.77	23.25	21.28	22.34	21.75	22.77	23.25
	6H	21.60	22.57	22.08	23.02	23.51	21.60	22.57	22.08	23.02	23.51
	8H	21.67	22.60	22.17	23.07	23.57	21.67	22.60	22.17	23.07	23.57
	12H	21.73	22.62	22.23	23.08	23.61	21.73	22.62	22.23	23.08	23.61
4H	2H	17.01	18.07	17.48	18.50	18.98	17.01	18.07	17.48	18.50	18.98
	3H	21.53	22.42	22.01	22.90	23.40	21.53	22.42	22.01	22.90	23.40
	4H	22.33	23.14	22.84	23.63	24.17	22.33	23.14	22.84	23.63	24.17
	6H	22.70	23.40	23.23	23.92	24.47	22.70	23.40	23.23	23.92	24.47
	8H	22.79	23.45	23.33	23.97	24.53	22.79	23.45	23.33	23.97	24.53
	12H	22.88	23.46	23.43	24.01	24.58	22.88	23.46	23.43	24.01	24.58
8H	4H	22.55	23.20	23.08	23.72	24.28	22.55	23.20	23.08	23.72	24.28
	6H	22.98	23.51	23.54	24.08	24.65	22.98	23.51	23.54	24.08	24.65
	8H	23.12	23.59	23.70	24.18	24.76	23.12	23.59	23.70	24.18	24.76
	12H	23.27	23.68	23.84	24.25	24.90	23.27	23.68	23.84	24.25	24.90
12H	4H	22.54	23.12	23.09	23.67	24.23	22.54	23.12	23.09	23.67	24.23
	6H	22.98	23.46	23.56	24.04	24.62	22.98	23.46	23.56	24.04	24.62
	8H	23.16	23.57	23.73	24.14	24.79	23.16	23.57	23.73	24.14	24.79

END OF REPORT