

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: P1221414

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221414
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-27)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

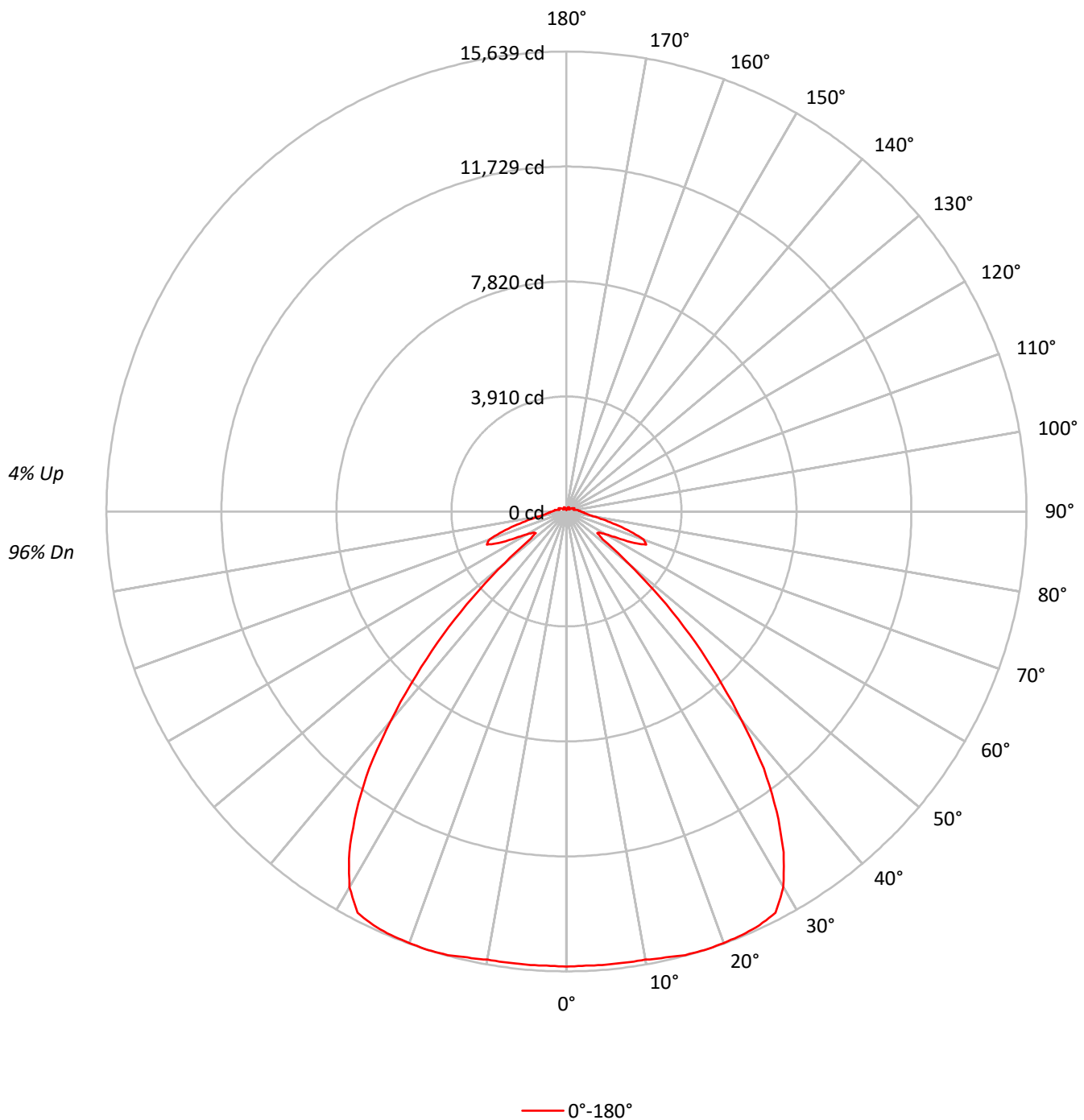
Lumens per Lamp: N/A
Luminaire Lumens: 33010.4 lumens
Efficiency: N/A
Efficacy: 170.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.21
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	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			
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	88	87	85	85	85	85	85	83			
2	101	93	87	82	98	91	86	81	87	83	79	83	80	76	80	77	74	74	74	74	74	72			
3	93	84	77	71	91	82	76	70	79	73	69	76	71	67	73	69	65	65	65	65	65	63			
4	87	76	68	63	84	75	67	62	72	66	61	69	64	59	66	62	58	58	58	58	58	56			
5	81	69	61	56	78	68	61	55	66	59	54	63	58	53	61	56	52	52	52	52	52	50			
6	75	63	56	50	73	62	55	50	60	54	49	58	52	48	56	51	47	47	47	47	47	45			
7	70	58	51	45	69	57	50	45	56	49	44	54	48	44	52	47	43	43	43	43	43	41			
8	66	54	46	41	64	53	46	41	51	45	40	50	44	40	49	43	39	39	39	39	39	38			
9	62	50	43	37	61	49	42	37	48	41	37	46	41	37	45	40	36	36	36	36	36	34			
10	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33	33	33	33	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89247
5°	85209
10°	82150
15°	80586
20°	79015
25°	77603
30°	73430
35°	62234
40°	46823
45°	30535
50°	14467
55°	6967
60°	8849
65°	15383
70°	18022
75°	12084
80°	7119
85°	5276

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30535 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1476.9	4.5
10°-20°	4420.2	13.4
20°-30°	7129.5	21.6
30°-40°	7666.0	23.2
40°-50°	4541.4	13.8
50°-60°	1406.1	4.3
60°-70°	2387.0	7.2
70°-80°	1878.8	5.7
80°-90°	705.3	2.1
90°-100°	444.8	1.3
100°-110°	276.5	0.8
110°-120°	261.9	0.8
120°-130°	126.8	0.4
130°-140°	88.0	0.3
140°-150°	98.0	0.3
150°-160°	68.2	0.2
160°-170°	29.1	0.1
170°-180°	6.1	0.0
0°-30°	13026.6	39.5
0°-40°	20692.6	62.7
0°-60°	26640.0	80.7
0°-90°	31611.1	95.8
90°-120°	983.2	3.0
90°-150°	1296.0	3.9
90°-180°	1399.0	4.2
0°-180°	33010.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15477	
5°	15474	###
15°	15615	4420
25°	15524	7130
35°	12462	7666
45°	5935	4541
55°	1272	1406
65°	2542	2387
75°	1727	1879
85°	613	563
90°	486	270
95°	407	317
105°	234	277
115°	279	262
125°	134	127
135°	109	88
145°	159	98
155°	149	68
165°	99	29
175°	60	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15477.2
2.5°	15457.8
5°	15474.2
7.5°	15472.1
10°	15477.2
12.5°	15538.5
15°	15615.1
17.5°	15638.6
20°	15618.2
22.5°	15593.7
25°	15524.2
27.5°	15388.3
30°	14752.9
32.5°	13740.4
35°	12462.3
37.5°	11021.7
40°	9273.7
42.5°	7559.3
45°	5934.9
47.5°	4312.5
50°	2737.0
52.5°	1544.8
55°	1272.0
57.5°	1345.5
60°	1544.8
62.5°	1935.0
65°	2541.9
67.5°	2936.3
70°	2787.1
72.5°	2289.6
75°	1726.6
77.5°	1259.7
80°	925.6
82.5°	714.1
85°	613.0
87.5°	554.8
90°	486.3
92.5°	443.4
95°	406.6
97.5°	372.9
100°	328.0
102.5°	271.8
105°	234.0
107.5°	238.0
110°	273.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	294.2
115°	278.9
117.5°	242.1
120°	202.3
122.5°	164.5
125°	133.8
127.5°	112.4
130°	99.1
132.5°	98.1
135°	109.3
137.5°	127.7
140°	145.1
142.5°	156.3
145°	159.4
147.5°	158.4
150°	155.3
152.5°	153.2
155°	149.2
157.5°	142.0
160°	128.7
162.5°	115.4
165°	99.1
167.5°	83.8
170°	70.5
172.5°	63.3
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	14.17	15.47	14.61	15.88	16.30	14.17	15.47	14.61	15.88	16.30
	3H	21.11	22.29	21.56	22.71	23.17	21.11	22.29	21.56	22.71	23.17
	4H	22.12	23.23	22.59	23.66	24.15	22.12	23.23	22.59	23.66	24.15
	6H	22.53	23.55	23.02	24.01	24.50	22.53	23.55	23.02	24.01	24.50
	8H	22.63	23.61	23.13	24.08	24.59	22.63	23.61	23.13	24.08	24.59
	12H	22.71	23.65	23.22	24.11	24.64	22.71	23.65	23.22	24.11	24.64
4H	2H	16.71	17.82	17.19	18.25	18.74	16.71	17.82	17.19	18.25	18.74
	3H	22.30	23.22	22.78	23.71	24.21	22.30	23.22	22.78	23.71	24.21
	4H	23.28	24.12	23.79	24.62	25.16	23.28	24.12	23.79	24.62	25.16
	6H	23.73	24.47	24.26	24.99	25.55	23.73	24.47	24.26	24.99	25.55
	8H	23.85	24.54	24.39	25.06	25.63	23.85	24.54	24.39	25.06	25.63
	12H	23.96	24.58	24.52	25.13	25.70	23.96	24.58	24.52	25.13	25.70
8H	4H	23.55	24.24	24.09	24.76	25.33	23.55	24.24	24.09	24.76	25.33
	6H	24.07	24.64	24.64	25.21	25.78	24.07	24.64	24.64	25.21	25.78
	8H	24.24	24.75	24.82	25.33	25.92	24.24	24.75	24.82	25.33	25.92
	12H	24.42	24.86	25.00	25.43	26.09	24.42	24.86	25.00	25.43	26.09
12H	4H	23.55	24.16	24.10	24.72	25.29	23.55	24.16	24.10	24.72	25.29
	6H	24.08	24.59	24.66	25.17	25.76	24.08	24.59	24.66	25.17	25.76
	8H	24.29	24.74	24.87	25.30	25.97	24.29	24.74	24.87	25.30	25.97

END OF REPORT