

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: P1221394

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (3000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221394
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-26)
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

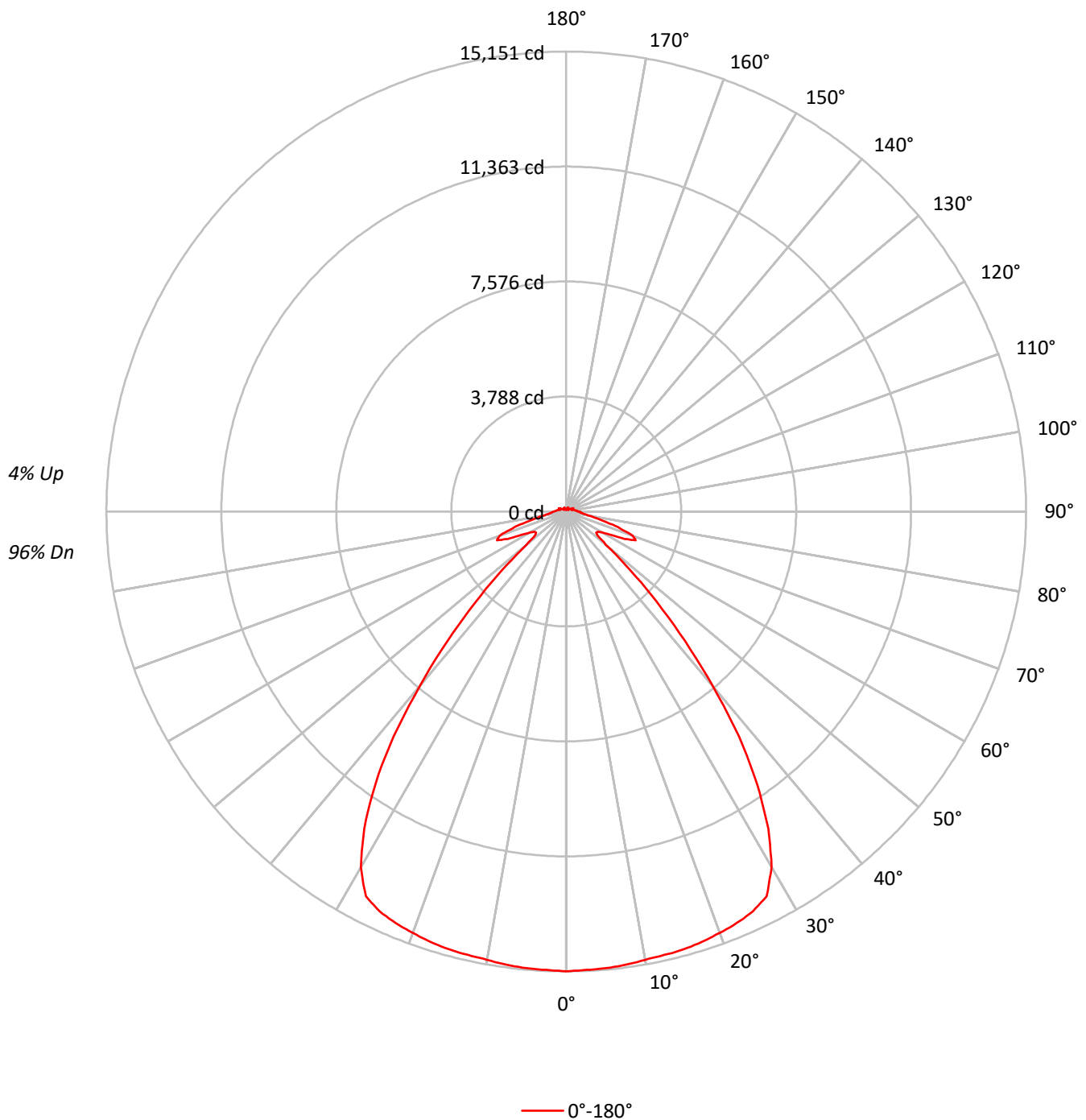
Lumens per Lamp: N/A
Luminaire Lumens: 28840.1 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.15
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	98	106	102	99	96	98	95	92	93	91	89	89	87	86	86	86	86	86	83			
2	101	94	88	83	98	92	87	82	88	83	80	84	80	77	81	78	75	75	75	75	75	73			
3	94	85	78	73	91	83	77	72	80	74	70	77	72	68	74	70	67	67	67	67	67	64			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	71	63	57	79	69	62	57	67	61	56	65	59	55	62	58	54	54	54	54	54	52			
6	76	65	57	52	74	64	56	51	62	55	50	60	54	50	58	53	49	49	49	49	49	47			
7	72	60	52	47	70	59	52	46	57	51	46	55	50	45	54	49	45	45	45	45	45	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87365
5°	83193
10°	79596
15°	77086
20°	74757
25°	72690
30°	67349
35°	54784
40°	37828
45°	21767
50°	8985
55°	6621
60°	7943
65°	12940
70°	15034
75°	9698
80°	5668
85°	4274

MAXIMUM LUMINANCE 45°-90°:

Luminance: 21767 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.5	5.0
10°-20°	4224.8	14.6
20°-30°	6659.4	23.1
30°-40°	6713.6	23.3
40°-50°	3321.7	11.5
50°-60°	1185.6	4.1
60°-70°	2025.2	7.0
70°-80°	1526.8	5.3
80°-90°	568.5	2.0
90°-100°	358.0	1.2
100°-110°	229.8	0.8
110°-120°	230.6	0.8
120°-130°	111.6	0.4
130°-140°	76.6	0.3
140°-150°	82.5	0.3
150°-160°	57.8	0.2
160°-170°	24.0	0.1
170°-180°	5.0	0.0
0°-30°	12322.8	42.7
0°-40°	19036.4	66.0
0°-60°	23543.7	81.6
0°-90°	27664.1	95.9
90°-120°	818.4	2.8
90°-150°	1089.1	3.8
90°-180°	1176.0	4.1
0°-180°	28840.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15151	
5°	15108	###
15°	14937	4225
25°	14542	6659
35°	10970	6714
45°	4231	3322
55°	1209	1186
65°	2138	2025
75°	1386	1527
85°	496	453
90°	394	218
95°	326	255
105°	193	230
115°	246	231
125°	118	112
135°	96	77
145°	134	82
155°	128	58
165°	82	24
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15150.9
2.5°	15118.2
5°	15108.1
7.5°	15065.3
10°	14996.1
12.5°	14966.9
15°	14936.9
17.5°	14869.4
20°	14776.5
22.5°	14681.8
25°	14541.5
27.5°	14295.5
30°	13531.2
32.5°	12387.9
35°	10970.3
37.5°	9349.7
40°	7492.1
42.5°	5792.2
45°	4230.7
47.5°	2856.0
50°	1699.9
52.5°	1296.4
55°	1208.9
57.5°	1246.3
60°	1386.6
62.5°	1658.9
65°	2138.1
67.5°	2477.0
70°	2324.9
72.5°	1876.7
75°	1385.6
77.5°	1003.9
80°	737.0
82.5°	573.0
85°	496.5
87.5°	450.9
90°	393.6
92.5°	356.2
95°	326.1
97.5°	300.6
100°	264.2
102.5°	218.6
105°	193.1
107.5°	205.0
110°	239.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	259.6
115°	246.0
117.5°	213.2
120°	177.6
122.5°	144.9
125°	118.4
127.5°	98.4
130°	87.5
132.5°	86.5
135°	95.7
137.5°	110.2
140°	123.0
142.5°	131.2
145°	133.9
147.5°	133.0
150°	132.1
152.5°	130.3
155°	127.5
157.5°	119.3
160°	107.5
162.5°	94.7
165°	82.0
167.5°	69.2
170°	58.3
172.5°	52.8
175°	50.1
177.5°	49.2
180°	49.2

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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	14.14	15.41	14.58	15.81	16.23	14.14	15.41	14.58	15.81	16.23
	3H	20.51	21.65	20.96	22.07	22.53	20.51	21.65	20.96	22.07	22.53
	4H	21.43	22.50	21.90	22.93	23.41	21.43	22.50	21.90	22.93	23.41
	6H	21.79	22.78	22.27	23.23	23.72	21.79	22.78	22.27	23.23	23.72
	8H	21.87	22.82	22.37	23.29	23.79	21.87	22.82	22.37	23.29	23.79
	12H	21.95	22.85	22.45	23.31	23.84	21.95	22.85	22.45	23.31	23.84
4H	2H	16.34	17.41	16.81	17.85	18.33	16.34	17.41	16.81	17.85	18.33
	3H	21.64	22.54	22.12	23.02	23.52	21.64	22.54	22.12	23.02	23.52
	4H	22.53	23.35	23.04	23.85	24.38	22.53	23.35	23.04	23.85	24.38
	6H	22.94	23.65	23.47	24.17	24.73	22.94	23.65	23.47	24.17	24.73
	8H	23.05	23.71	23.58	24.23	24.80	23.05	23.71	23.58	24.23	24.80
	12H	23.15	23.74	23.70	24.29	24.86	23.15	23.74	23.70	24.29	24.86
8H	4H	22.78	23.45	23.31	23.97	24.53	22.78	23.45	23.31	23.97	24.53
	6H	23.25	23.80	23.81	24.36	24.94	23.25	23.80	23.81	24.36	24.94
	8H	23.40	23.89	23.99	24.47	25.06	23.40	23.89	23.99	24.47	25.06
	12H	23.57	24.00	24.15	24.56	25.22	23.57	24.00	24.15	24.56	25.22
12H	4H	22.77	23.36	23.32	23.92	24.48	22.77	23.36	23.32	23.92	24.48
	6H	23.25	23.74	23.84	24.32	24.91	23.25	23.74	23.84	24.32	24.91
	8H	23.45	23.88	24.03	24.44	25.10	23.45	23.88	24.03	24.44	25.10