

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: P1221449

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221449
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

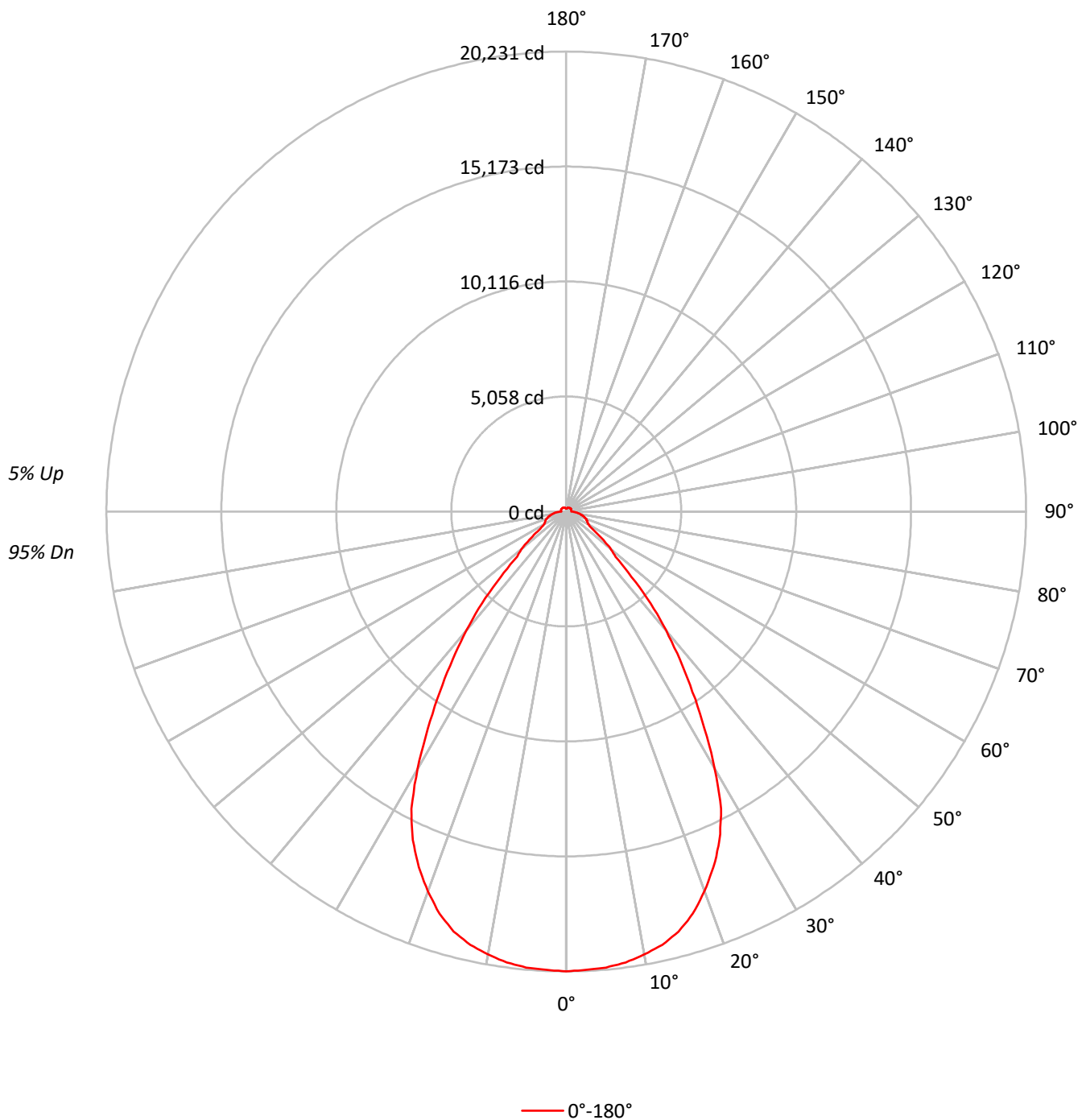
Lumens per Lamp: N/A
Luminaire Lumens: 28981.5 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.2
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	108	108	108	103	103	103	98	98	98
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116659
5°	110901
10°	105025
15°	98710
20°	89937
25°	79781
30°	65098
35°	48365
40°	34469
45°	20909
50°	13331
55°	8429
60°	6416
65°	6191
70°	5891
75°	5375
80°	4630
85°	3589

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20909 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1911.2	6.6
10°-20°	5355.5	18.5
20°-30°	7237.6	25.0
30°-40°	6074.1	21.0
40°-50°	3274.9	11.3
50°-60°	1484.1	5.1
60°-70°	1009.4	3.5
70°-80°	807.2	2.8
80°-90°	451.3	1.6
90°-100°	248.5	0.9
100°-110°	250.3	0.9
110°-120°	235.0	0.8
120°-130°	205.5	0.7
130°-140°	168.3	0.6
140°-150°	127.7	0.4
150°-160°	85.0	0.3
160°-170°	43.2	0.1
170°-180°	12.7	0.0
0°-30°	14504.4	50.0
0°-40°	20578.5	71.0
0°-60°	25337.5	87.4
0°-90°	27605.3	95.3
90°-120°	733.8	2.5
90°-150°	1235.4	4.3
90°-180°	1376.0	4.7
0°-180°	28981.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20231	
5°	20140	###
15°	19127	5356
25°	15960	7238
35°	9685	6074
45°	4064	3275
55°	1539	1484
65°	1023	1009
75°	768	807
85°	417	378
90°	221	135
95°	228	187
105°	237	250
115°	237	235
125°	229	206
135°	217	168
145°	203	128
155°	184	85
165°	151	43
175°	133	13
180°	131	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20231
2.5°	20180
5°	20140
7.5°	20010
10°	19787
12.5°	19524
15°	19127
17.5°	18544
20°	17777
22.5°	16937
25°	15960
27.5°	14755
30°	13079
32.5°	11327
35°	9685
37.5°	8199
40°	6827
42.5°	5490
45°	4064
47.5°	2939
50°	2522
52.5°	2060
55°	1539
57.5°	1254
60°	1120
62.5°	1062
65°	1023
67.5°	972
70°	911
72.5°	844
75°	768
77.5°	688
80°	602
82.5°	513
85°	417
87.5°	315
90°	221
92.5°	225
95°	228
97.5°	231
100°	233
102.5°	236
105°	237
107.5°	238
110°	238

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	238
115°	237
117.5°	236
120°	234
122.5°	232
125°	229
127.5°	226
130°	224
132.5°	220
135°	217
137.5°	214
140°	211
142.5°	207
145°	203
147.5°	199
150°	195
152.5°	190
155°	184
157.5°	176
160°	167
162.5°	159
165°	151
167.5°	142
170°	134
172.5°	132
175°	133
177.5°	132
180°	131

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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	14.13	15.30	14.58	15.72	16.15	14.13	15.30	14.58	15.72	16.15
	3H	16.14	17.19	16.61	17.62	18.10	16.14	17.19	16.61	17.62	18.10
	4H	17.01	17.98	17.49	18.43	18.93	17.01	17.98	17.49	18.43	18.93
	6H	17.73	18.63	18.23	19.09	19.60	17.73	18.63	18.23	19.09	19.60
	8H	18.00	18.85	18.51	19.34	19.86	18.00	18.85	18.51	19.34	19.86
	12H	18.21	19.03	18.73	19.51	20.05	18.21	19.03	18.73	19.51	20.05
4H	2H	14.65	15.63	15.14	16.08	16.58	14.65	15.63	15.14	16.08	16.58
	3H	16.89	17.70	17.39	18.20	18.71	16.89	17.70	17.39	18.20	18.71
	4H	17.89	18.62	18.41	19.13	19.68	17.89	18.62	18.41	19.13	19.68
	6H	18.75	19.38	19.29	19.92	20.49	18.75	19.38	19.29	19.92	20.49
	8H	19.08	19.67	19.63	20.21	20.79	19.08	19.67	19.63	20.21	20.79
	12H	19.36	19.88	19.92	20.45	21.03	19.36	19.88	19.92	20.45	21.03
8H	4H	18.19	18.78	18.74	19.31	19.89	18.19	18.78	18.74	19.31	19.89
	6H	19.19	19.68	19.77	20.26	20.85	19.19	19.68	19.77	20.26	20.85
	8H	19.62	20.06	20.22	20.65	21.25	19.62	20.06	20.22	20.65	21.25
	12H	20.01	20.39	20.60	20.97	21.64	20.01	20.39	20.60	20.97	21.64
12H	4H	18.22	18.74	18.78	19.31	19.89	18.22	18.74	18.78	19.31	19.89
	6H	19.26	19.69	19.86	20.29	20.89	19.26	19.69	19.86	20.29	20.89
	8H	19.75	20.13	20.34	20.71	21.39	19.75	20.13	20.34	20.71	21.39