

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: P1221256

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221256
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

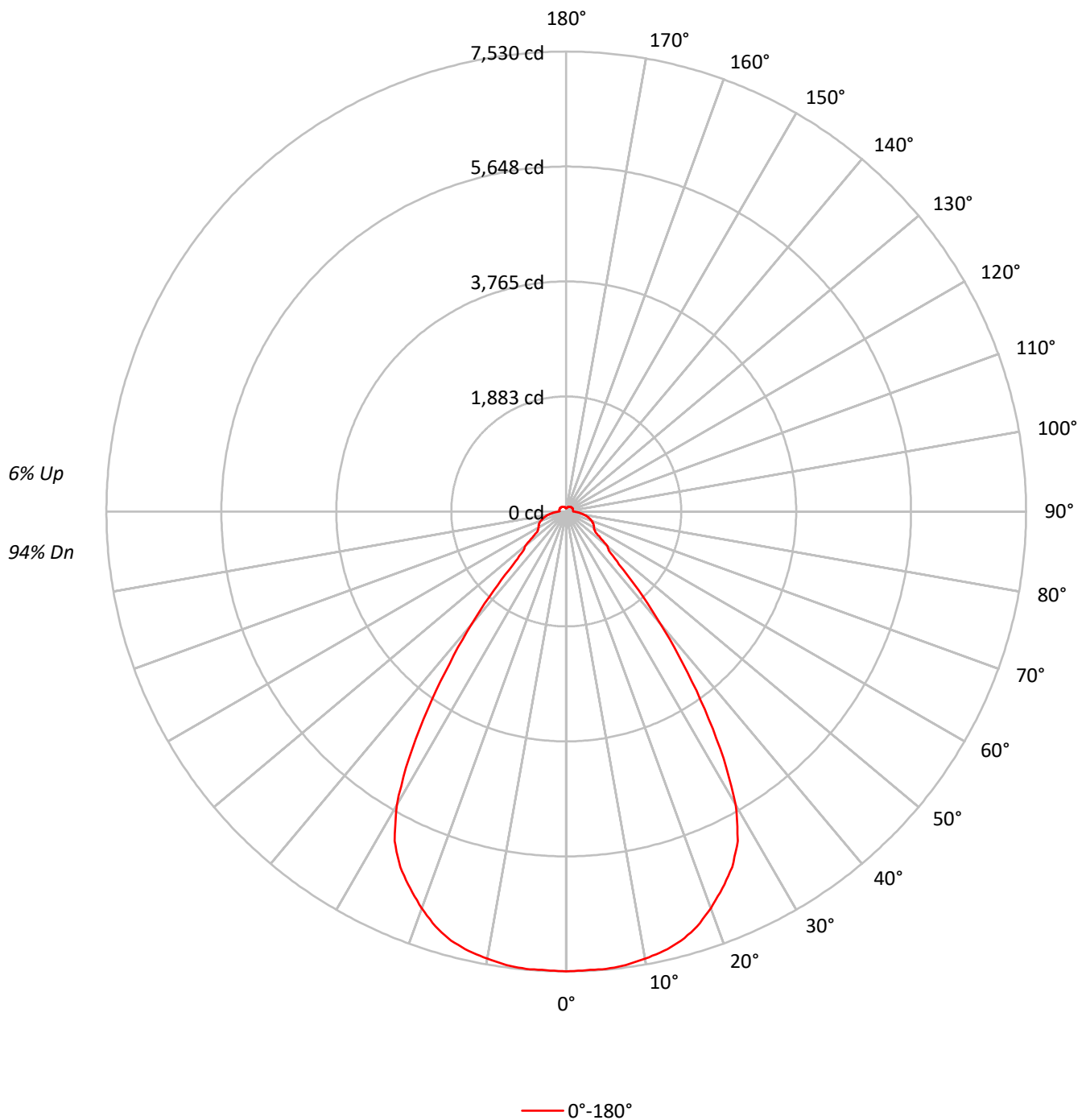
Lumens per Lamp: N/A
Luminaire Lumens: 11512.5 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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	0		
RCR																				
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94		
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83		
2	102	96	90	86	99	93	89	84	89	85	82	85	82	79	82	79	77	74		
3	96	87	81	76	93	85	79	75	82	77	73	78	74	71	75	72	69	67		
4	89	80	73	68	87	78	72	67	75	70	65	72	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	79	68	61	55	77	67	60	55	64	58	54	62	57	53	60	56	52	51		
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	52	48	46		
8	70	58	51	47	68	58	51	46	56	50	46	54	49	45	53	48	45	43		
9	66	55	48	43	64	54	47	43	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41167
5°	39414
10°	37712
15°	36018
20°	33661
25°	31009
30°	26759
35°	19186
40°	11845
45°	6161
50°	4557
55°	3138
60°	2975
65°	2953
70°	2838
75°	2624
80°	2268
85°	1743

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6161 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.1	6.2
10°-20°	2044.2	17.8
20°-30°	2924.6	25.4
30°-40°	2452.6	21.3
40°-50°	1060.6	9.2
50°-60°	562.3	4.9
60°-70°	483.3	4.2
70°-80°	390.7	3.4
80°-90°	217.9	1.9
90°-100°	124.0	1.1
100°-110°	122.2	1.1
110°-120°	113.9	1.0
120°-130°	98.7	0.9
130°-140°	79.8	0.7
140°-150°	59.0	0.5
150°-160°	38.6	0.3
160°-170°	19.6	0.2
170°-180°	5.4	0.0
0°-30°	5683.8	49.4
0°-40°	8136.5	70.7
0°-60°	9759.4	84.8
0°-90°	10851.3	94.3
90°-120°	360.0	3.1
90°-150°	597.5	5.2
90°-180°	661.0	5.7
0°-180°	11512.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7530	
5°	7519	715
15°	7278	2044
25°	6426	2925
35°	3954	2453
45°	1224	1061
55°	581	562
65°	491	483
75°	373	391
85°	198	181
90°	120	68
95°	112	92
105°	116	122
115°	115	114
125°	110	99
135°	103	80
145°	94	59
155°	83	39
165°	69	20
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7530.4
2.5°	7518.3
5°	7519.1
7.5°	7492.4
10°	7435.8
12.5°	7371.9
15°	7278.1
17.5°	7124.5
20°	6915.0
22.5°	6680.6
25°	6425.8
27.5°	6085.4
30°	5551.0
32.5°	4796.5
35°	3954.0
37.5°	3138.1
40°	2406.4
42.5°	1753.0
45°	1224.2
47.5°	944.4
50°	878.1
52.5°	693.8
55°	581.4
57.5°	543.4
60°	524.8
62.5°	509.4
65°	490.8
67.5°	467.4
70°	439.1
72.5°	407.5
75°	372.8
77.5°	333.9
80°	291.1
82.5°	246.6
85°	198.1
87.5°	149.6
90°	119.7
92.5°	110.8
95°	112.4
97.5°	114.0
100°	114.8
102.5°	115.6
105°	115.6
107.5°	115.6
110°	115.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	115.6
115°	114.8
117.5°	114.0
120°	113.2
122.5°	111.6
125°	110.0
127.5°	108.4
130°	106.7
132.5°	105.1
135°	102.7
137.5°	101.1
140°	98.6
142.5°	96.2
145°	93.8
147.5°	91.4
150°	88.9
152.5°	86.5
155°	83.3
157.5°	80.1
160°	76.0
162.5°	72.8
165°	68.7
167.5°	63.9
170°	59.8
172.5°	55.8
175°	55.8
177.5°	55.8
180°	55.8

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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	11.50	12.65	11.96	13.09	13.55	11.50	12.65	11.96	13.09	13.55
	3H	13.86	14.89	14.34	15.34	15.85	13.86	14.89	14.34	15.34	15.85
	4H	14.83	15.80	15.33	16.27	16.79	14.83	15.80	15.33	16.27	16.79
	6H	15.62	16.52	16.14	17.00	17.54	15.62	16.52	16.14	17.00	17.54
	8H	15.92	16.77	16.45	17.27	17.81	15.92	16.77	16.45	17.27	17.81
	12H	16.14	16.96	16.68	17.45	18.02	16.14	16.96	16.68	17.45	18.02
4H	2H	12.16	13.13	12.67	13.60	14.12	12.16	13.13	12.67	13.60	14.12
	3H	14.70	15.51	15.21	16.02	16.56	14.70	15.51	15.21	16.02	16.56
	4H	15.79	16.52	16.32	17.05	17.63	15.79	16.52	16.32	17.05	17.63
	6H	16.72	17.35	17.28	17.90	18.50	16.72	17.35	17.28	17.90	18.50
	8H	17.07	17.66	17.63	18.21	18.82	17.07	17.66	17.63	18.21	18.82
	12H	17.35	17.88	17.93	18.46	19.07	17.35	17.88	17.93	18.46	19.07
8H	4H	16.12	16.72	16.69	17.27	17.87	16.12	16.72	16.69	17.27	17.87
	6H	17.19	17.68	17.79	18.28	18.89	17.19	17.68	17.79	18.28	18.89
	8H	17.64	18.08	18.26	18.69	19.31	17.64	18.08	18.26	18.69	19.31
	12H	18.04	18.42	18.64	19.01	19.71	18.04	18.42	18.64	19.01	19.71
12H	4H	16.16	16.68	16.74	17.27	17.87	16.16	16.68	16.74	17.27	17.87
	6H	17.27	17.71	17.88	18.32	18.94	17.27	17.71	17.88	18.32	18.94
	8H	17.78	18.16	18.39	18.76	19.45	17.78	18.16	18.39	18.76	19.45