

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: P1221283

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221283
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

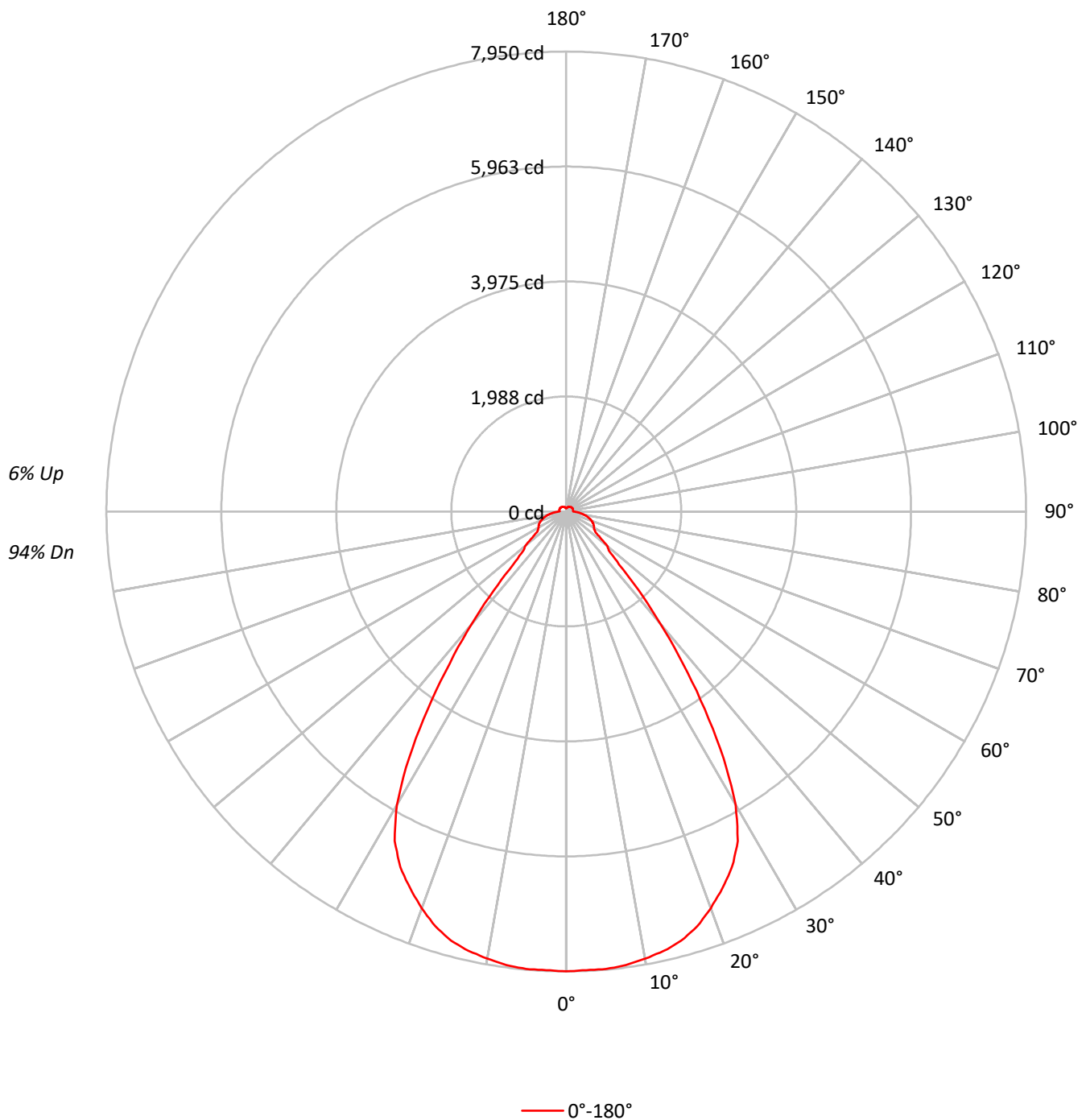
Lumens per Lamp: N/A
Luminaire Lumens: 12153.4 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.4
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
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86
2	102	96	90	86	99	93	89	84	89	85	82	85	82	79	82	79	77
3	96	87	81	76	93	85	79	75	82	77	73	78	74	71	75	72	69
4	89	80	73	68	87	78	72	67	75	70	65	72	68	64	70	66	63
5	84	73	66	61	82	72	65	60	69	64	59	67	62	58	65	61	57
6	79	68	61	55	77	67	60	55	64	58	54	62	57	53	60	56	52
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	52	48
8	70	58	51	47	68	58	51	46	56	50	46	54	49	45	53	48	45
9	66	55	48	43	64	54	47	43	52	46	42	51	46	42	50	45	41
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43459
5°	41608
10°	39812
15°	38023
20°	35535
25°	32735
30°	28248
35°	20254
40°	12504
45°	6505
50°	4811
55°	3313
60°	3141
65°	3118
70°	2996
75°	2770
80°	2394
85°	1840

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6505 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.9	6.2
10°-20°	2158.0	17.8
20°-30°	3087.4	25.4
30°-40°	2589.2	21.3
40°-50°	1119.7	9.2
50°-60°	593.6	4.9
60°-70°	510.1	4.2
70°-80°	412.4	3.4
80°-90°	230.0	1.9
90°-100°	130.9	1.1
100°-110°	129.1	1.1
110°-120°	120.2	1.0
120°-130°	104.2	0.9
130°-140°	84.2	0.7
140°-150°	62.3	0.5
150°-160°	40.8	0.3
160°-170°	20.7	0.2
170°-180°	5.7	0.0
0°-30°	6000.3	49.4
0°-40°	8589.4	70.7
0°-60°	10302.7	84.8
0°-90°	11455.3	94.3
90°-120°	380.2	3.1
90°-150°	630.9	5.2
90°-180°	698.0	5.7
0°-180°	12153.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7950	
5°	7938	755
15°	7683	2158
25°	6784	3087
35°	4174	2589
45°	1292	1120
55°	614	594
65°	518	510
75°	394	412
85°	209	191
90°	126	72
95°	119	98
105°	122	129
115°	121	120
125°	116	104
135°	108	84
145°	99	62
155°	88	41
165°	73	21
175°	59	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7949.6
2.5°	7936.8
5°	7937.6
7.5°	7909.5
10°	7849.7
12.5°	7782.3
15°	7683.3
17.5°	7521.1
20°	7300.0
22.5°	7052.4
25°	6783.6
27.5°	6424.2
30°	5860.0
32.5°	5063.6
35°	4174.1
37.5°	3312.8
40°	2540.3
42.5°	1850.6
45°	1292.4
47.5°	997.0
50°	927.0
52.5°	732.4
55°	613.7
57.5°	573.6
60°	554.0
62.5°	537.8
65°	518.1
67.5°	493.4
70°	463.5
72.5°	430.2
75°	393.5
77.5°	352.5
80°	307.3
82.5°	260.3
85°	209.1
87.5°	157.9
90°	126.3
92.5°	116.9
95°	118.7
97.5°	120.4
100°	121.2
102.5°	122.1
105°	122.1
107.5°	122.1
110°	122.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	122.1
115°	121.2
117.5°	120.4
120°	119.5
122.5°	117.8
125°	116.1
127.5°	114.4
130°	112.7
132.5°	111.0
135°	108.4
137.5°	106.7
140°	104.1
142.5°	101.6
145°	99.0
147.5°	96.5
150°	93.9
152.5°	91.3
155°	87.9
157.5°	84.5
160°	80.2
162.5°	76.8
165°	72.6
167.5°	67.4
170°	63.2
172.5°	58.9
175°	58.9
177.5°	58.9
180°	58.9

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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	11.68	12.84	12.15	13.28	13.74	11.68	12.84	12.15	13.28	13.74
	3H	14.04	15.08	14.53	15.53	16.04	14.04	15.08	14.53	15.53	16.04
	4H	15.02	15.99	15.52	16.46	16.98	15.02	15.99	15.52	16.46	16.98
	6H	15.81	16.71	16.32	17.19	17.72	15.81	16.71	16.32	17.19	17.72
	8H	16.11	16.95	16.63	17.46	18.00	16.11	16.95	16.63	17.46	18.00
	12H	16.33	17.14	16.86	17.64	18.21	16.33	17.14	16.86	17.64	18.21
4H	2H	12.35	13.32	12.85	13.79	14.31	12.35	13.32	12.85	13.79	14.31
	3H	14.89	15.69	15.40	16.21	16.75	14.89	15.69	15.40	16.21	16.75
	4H	15.98	16.71	16.51	17.24	17.82	15.98	16.71	16.51	17.24	17.82
	6H	16.90	17.54	17.46	18.09	18.69	16.90	17.54	17.46	18.09	18.69
	8H	17.26	17.85	17.82	18.40	19.01	17.26	17.85	17.82	18.40	19.01
	12H	17.54	18.07	18.12	18.65	19.26	17.54	18.07	18.12	18.65	19.26
8H	4H	16.31	16.91	16.88	17.46	18.06	16.31	16.91	16.88	17.46	18.06
	6H	17.38	17.87	17.98	18.47	19.08	17.38	17.87	17.98	18.47	19.08
	8H	17.83	18.27	18.44	18.88	19.50	17.83	18.27	18.44	18.88	19.50
	12H	18.22	18.61	18.83	19.20	19.90	18.22	18.61	18.83	19.20	19.90
12H	4H	16.34	16.87	16.93	17.45	18.06	16.34	16.87	16.93	17.45	18.06
	6H	17.45	17.89	18.07	18.50	19.13	17.45	17.89	18.07	18.50	19.13
	8H	17.97	18.35	18.58	18.94	19.64	17.97	18.35	18.58	18.94	19.64

END OF REPORT