

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: P1221284

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221284
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-19)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

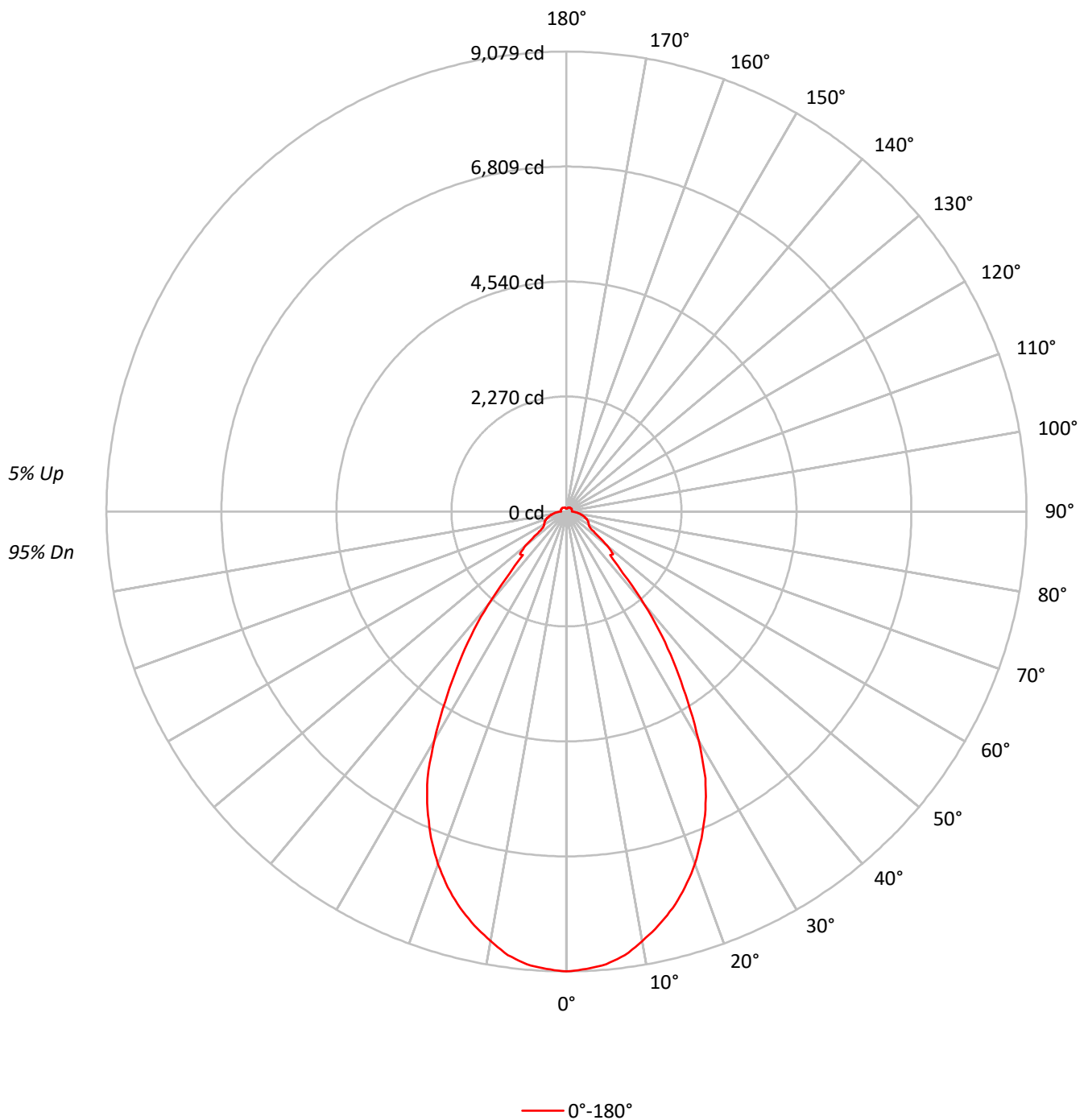
Lumens per Lamp: N/A
Luminaire Lumens: 11787.9 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

TEST NUMBER: P1221284

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221284

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

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	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49633
5°	47054
10°	43691
15°	40110
20°	36067
25°	31322
30°	25125
35°	18241
40°	11823
45°	6135
50°	5462
55°	3087
60°	2874
65°	2840
70°	2698
75°	2445
80°	2108
85°	1653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 6380 cd/sqm

TEST NUMBER: P1221284

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.4	7.2
10°-20°	2270.2	19.3
20°-30°	2947.2	25.0
30°-40°	2340.8	19.9
40°-50°	1120.6	9.5
50°-60°	581.1	4.9
60°-70°	464.1	3.9
70°-80°	365.8	3.1
80°-90°	204.6	1.7
90°-100°	118.9	1.0
100°-110°	119.2	1.0
110°-120°	111.5	0.9
120°-130°	97.0	0.8
130°-140°	78.8	0.7
140°-150°	58.8	0.5
150°-160°	38.7	0.3
160°-170°	19.8	0.2
170°-180°	5.5	0.0
0°-30°	6062.8	51.4
0°-40°	8403.6	71.3
0°-60°	10105.3	85.7
0°-90°	11139.8	94.5
90°-120°	349.6	3.0
90°-150°	584.2	5.0
90°-180°	648.0	5.5
0°-180°	11787.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9079	
5°	8976	845
15°	8105	2270
25°	6491	2947
35°	3759	2341
45°	1219	1121
55°	572	581
65°	472	464
75°	347	366
85°	188	170
90°	106	64
95°	109	90
105°	113	119
115°	113	112
125°	108	97
135°	102	79
145°	93	59
155°	84	39
165°	69	20
175°	57	5
180°	57	

TEST NUMBER: P1221284

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9078.9
2.5°	9042.2
5°	8976.5
7.5°	8836.5
10°	8614.5
12.5°	8377.2
15°	8104.9
17.5°	7784.0
20°	7409.3
22.5°	6978.2
25°	6490.8
27.5°	5941.1
30°	5212.1
32.5°	4455.8
35°	3759.3
37.5°	3098.6
40°	2402.0
42.5°	1654.3
45°	1218.9
47.5°	1249.7
50°	1052.5
52.5°	729.8
55°	571.9
57.5°	528.4
60°	507.0
62.5°	491.7
65°	472.0
67.5°	446.4
70°	417.4
72.5°	384.1
75°	347.4
77.5°	309.9
80°	270.6
82.5°	230.5
85°	187.8
87.5°	144.3
90°	105.8
92.5°	107.6
95°	109.3
97.5°	110.1
100°	111.8
102.5°	112.7
105°	112.7
107.5°	112.7
110°	113.5

TEST NUMBER: P1221284

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.7
115°	112.7
117.5°	111.8
120°	111.0
122.5°	109.3
125°	108.4
127.5°	106.7
130°	105.0
132.5°	103.3
135°	101.6
137.5°	99.9
140°	98.2
142.5°	95.6
145°	93.0
147.5°	91.3
150°	88.8
152.5°	86.2
155°	83.7
157.5°	80.2
160°	76.8
162.5°	73.4
165°	69.1
167.5°	64.9
170°	60.6
172.5°	56.3
175°	57.2
177.5°	57.2
180°	57.2

TEST NUMBER: P1221284

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L12_Narrow_120V)

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	11.24	12.39	11.70	12.82	13.28	11.24	12.39	11.70	12.82	13.28
	3H	13.53	14.56	14.01	15.01	15.51	13.53	14.56	14.01	15.01	15.51
	4H	14.45	15.42	14.95	15.88	16.40	14.45	15.42	14.95	15.88	16.40
	6H	15.20	16.09	15.71	16.57	17.10	15.20	16.09	15.71	16.57	17.10
	8H	15.48	16.33	16.01	16.83	17.36	15.48	16.33	16.01	16.83	17.36
	12H	15.71	16.51	16.23	17.00	17.57	15.71	16.51	16.23	17.00	17.57
4H	2H	11.89	12.85	12.39	13.31	13.83	11.89	12.85	12.39	13.31	13.83
	3H	14.35	15.15	14.86	15.67	16.20	14.35	15.15	14.86	15.67	16.20
	4H	15.39	16.12	15.92	16.64	17.21	15.39	16.12	15.92	16.64	17.21
	6H	16.27	16.90	16.83	17.45	18.04	16.27	16.90	16.83	17.45	18.04
	8H	16.61	17.20	17.17	17.75	18.35	16.61	17.20	17.17	17.75	18.35
	12H	16.90	17.42	17.47	18.00	18.60	16.90	17.42	17.47	18.00	18.60
8H	4H	15.71	16.29	16.27	16.84	17.44	15.71	16.29	16.27	16.84	17.44
	6H	16.73	17.21	17.32	17.81	18.41	16.73	17.21	17.32	17.81	18.41
	8H	17.17	17.60	17.78	18.21	18.83	17.17	17.60	17.78	18.21	18.83
	12H	17.56	17.94	18.17	18.53	19.22	17.56	17.94	18.17	18.53	19.22
12H	4H	15.73	16.26	16.31	16.83	17.44	15.73	16.26	16.31	16.83	17.44
	6H	16.80	17.23	17.41	17.84	18.46	16.80	17.23	17.41	17.84	18.46
	8H	17.30	17.68	17.91	18.27	18.96	17.30	17.68	17.91	18.27	18.96

END OF REPORT