

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: P1221275

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221275
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

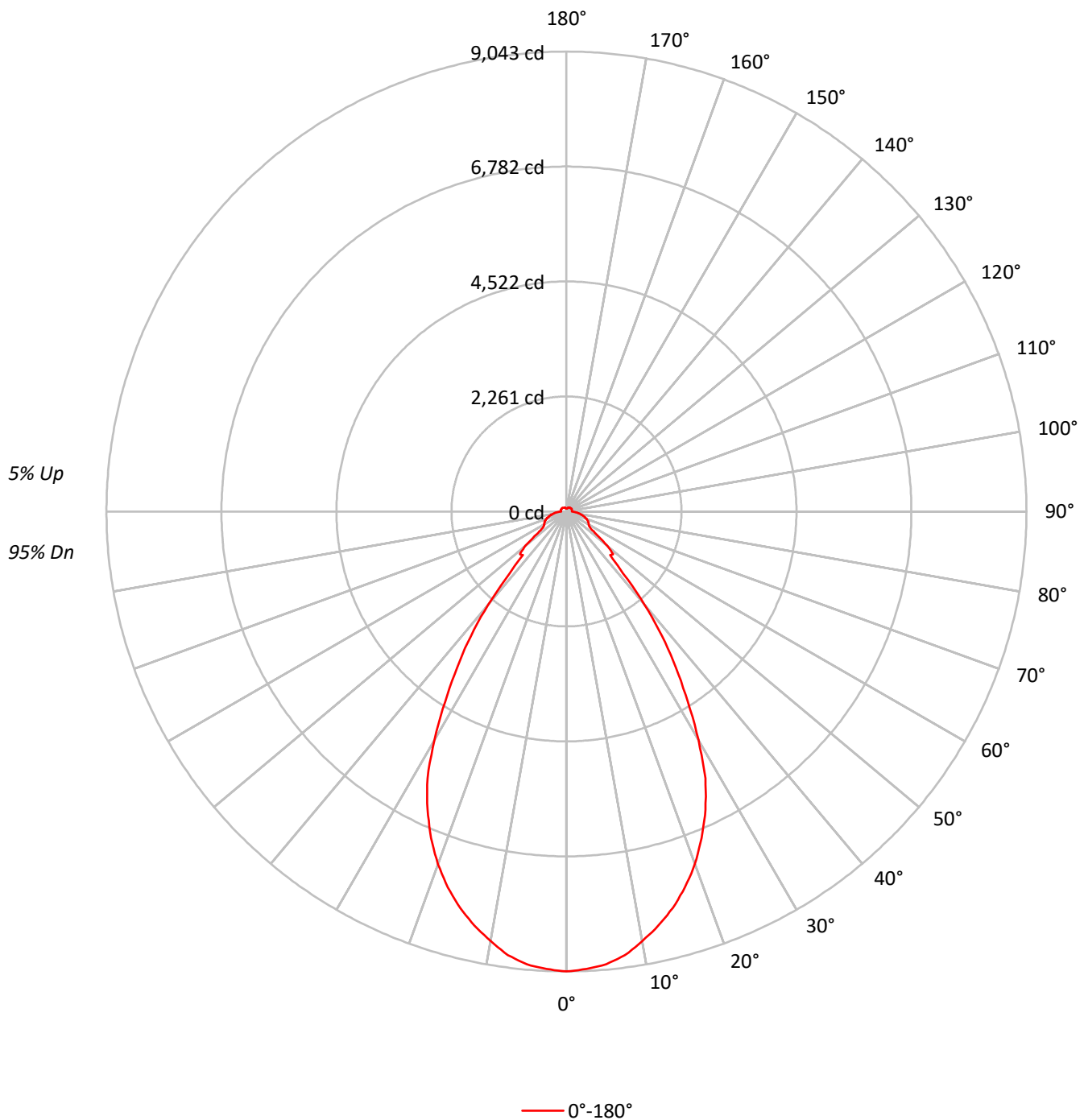
Lumens per Lamp: N/A
Luminaire Lumens: 11740.7 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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

TEST NUMBER: P1221275

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221275

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_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°	49434
5°	46865
10°	43516
15°	39949
20°	35923
25°	31197
30°	25024
35°	18168
40°	11776
45°	6111
50°	5440
55°	3075
60°	2863
65°	2829
70°	2687
75°	2435
80°	2100
85°	1646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 6354 cd/sqm

TEST NUMBER: P1221275

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	842.0	7.2
10°-20°	2261.1	19.3
20°-30°	2935.4	25.0
30°-40°	2331.4	19.9
40°-50°	1116.1	9.5
50°-60°	578.8	4.9
60°-70°	462.2	3.9
70°-80°	364.4	3.1
80°-90°	203.7	1.7
90°-100°	118.4	1.0
100°-110°	118.7	1.0
110°-120°	111.1	0.9
120°-130°	96.6	0.8
130°-140°	78.4	0.7
140°-150°	58.5	0.5
150°-160°	38.5	0.3
160°-170°	19.7	0.2
170°-180°	5.5	0.0
0°-30°	6038.5	51.4
0°-40°	8369.9	71.3
0°-60°	10064.9	85.7
0°-90°	11095.2	94.5
90°-120°	348.2	3.0
90°-150°	581.8	5.0
90°-180°	646.0	5.5
0°-180°	11740.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9043	
5°	8940	842
15°	8072	2261
25°	6465	2935
35°	3744	2331
45°	1214	1116
55°	570	579
65°	470	462
75°	346	364
85°	187	170
90°	105	63
95°	109	89
105°	112	119
115°	112	111
125°	108	97
135°	101	78
145°	93	59
155°	83	39
165°	69	20
175°	57	5
180°	57	

TEST NUMBER: P1221275

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9042.6
2.5°	9006.0
5°	8940.5
7.5°	8801.1
10°	8580.1
12.5°	8343.7
15°	8072.5
17.5°	7752.8
20°	7379.6
22.5°	6950.3
25°	6464.8
27.5°	5917.3
30°	5191.2
32.5°	4438.0
35°	3744.2
37.5°	3086.2
40°	2392.4
42.5°	1647.7
45°	1214.1
47.5°	1244.7
50°	1048.3
52.5°	726.9
55°	569.6
57.5°	526.3
60°	505.0
62.5°	489.7
65°	470.2
67.5°	444.6
70°	415.7
72.5°	382.6
75°	346.0
77.5°	308.6
80°	269.5
82.5°	229.6
85°	187.0
87.5°	143.7
90°	105.4
92.5°	107.1
95°	108.8
97.5°	109.7
100°	111.4
102.5°	112.2
105°	112.2
107.5°	112.2
110°	113.1

TEST NUMBER: P1221275

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.2
115°	112.2
117.5°	111.4
120°	110.5
122.5°	108.8
125°	108.0
127.5°	106.3
130°	104.6
132.5°	102.9
135°	101.2
137.5°	99.5
140°	97.8
142.5°	95.2
145°	92.7
147.5°	91.0
150°	88.4
152.5°	85.9
155°	83.3
157.5°	79.9
160°	76.5
162.5°	73.1
165°	68.9
167.5°	64.6
170°	60.4
172.5°	56.1
175°	57.0
177.5°	57.0
180°	57.0

TEST NUMBER: P1221275

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_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	11.22	12.38	11.69	12.81	13.26	11.22	12.38	11.69	12.81	13.26
	3H	13.51	14.55	13.99	14.99	15.49	13.51	14.55	13.99	14.99	15.49
	4H	14.44	15.40	14.94	15.86	16.38	14.44	15.40	14.94	15.86	16.38
	6H	15.19	16.07	15.70	16.55	17.08	15.19	16.07	15.70	16.55	17.08
	8H	15.47	16.31	16.00	16.81	17.35	15.47	16.31	16.00	16.81	17.35
	12H	15.69	16.50	16.22	16.99	17.55	15.69	16.50	16.22	16.99	17.55
4H	2H	11.87	12.84	12.37	13.30	13.82	11.87	12.84	12.37	13.30	13.82
	3H	14.34	15.14	14.85	15.65	16.19	14.34	15.14	14.85	15.65	16.19
	4H	15.38	16.10	15.91	16.62	17.20	15.38	16.10	15.91	16.62	17.20
	6H	16.26	16.89	16.81	17.43	18.03	16.26	16.89	16.81	17.43	18.03
	8H	16.60	17.19	17.16	17.73	18.33	16.60	17.19	17.16	17.73	18.33
	12H	16.88	17.40	17.46	17.98	18.58	16.88	17.40	17.46	17.98	18.58
8H	4H	15.69	16.28	16.25	16.83	17.42	15.69	16.28	16.25	16.83	17.42
	6H	16.72	17.20	17.31	17.79	18.40	16.72	17.20	17.31	17.79	18.40
	8H	17.15	17.59	17.76	18.19	18.81	17.15	17.59	17.76	18.19	18.81
	12H	17.55	17.93	18.15	18.52	19.21	17.55	17.93	18.15	18.52	19.21
12H	4H	15.72	16.24	16.30	16.82	17.42	15.72	16.24	16.30	16.82	17.42
	6H	16.79	17.22	17.40	17.83	18.44	16.79	17.22	17.40	17.83	18.44
	8H	17.29	17.67	17.89	18.26	18.95	17.29	17.67	17.89	18.26	18.95

END OF REPORT