

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: P1221237

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221237
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

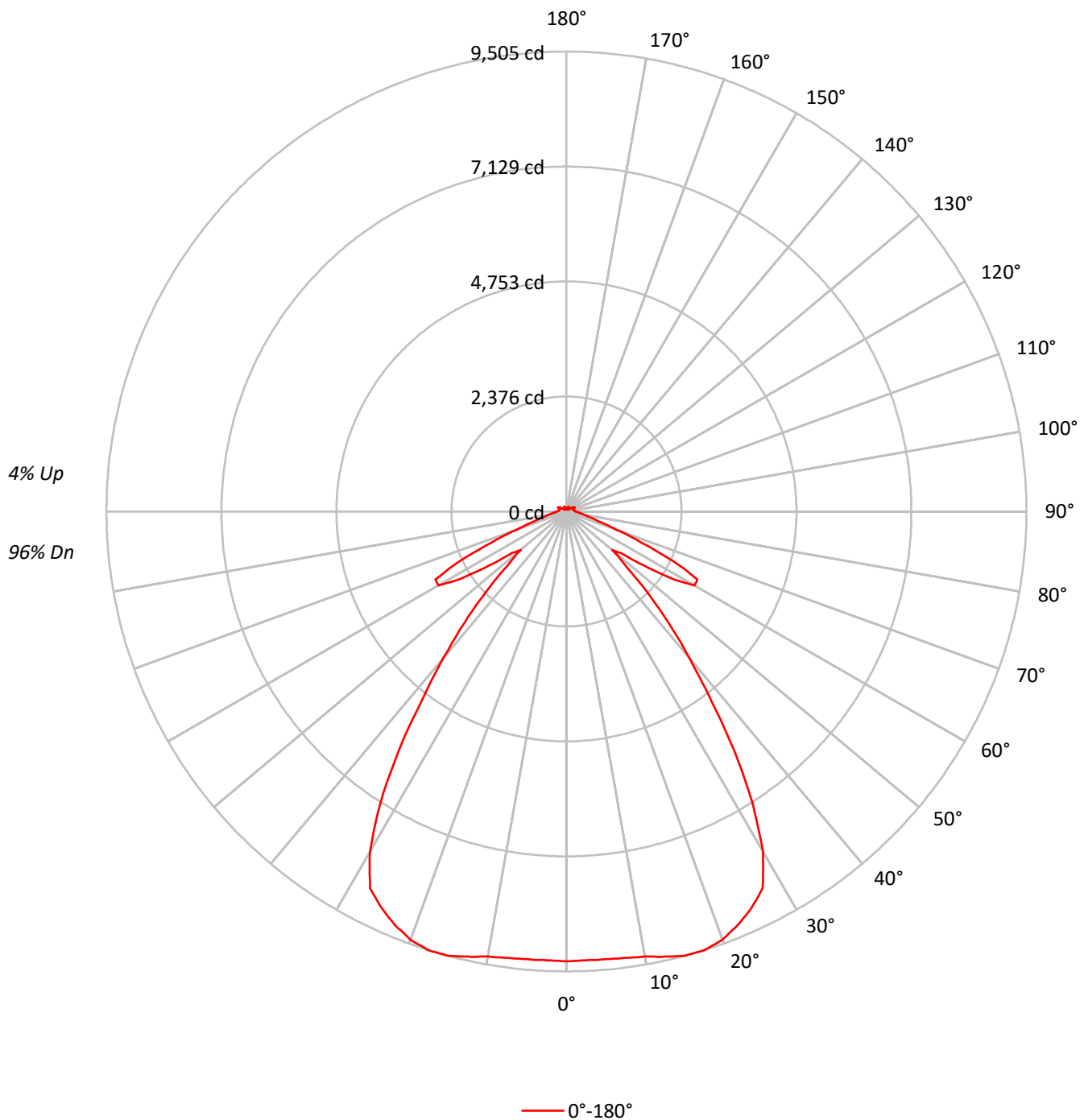
Lumens per Lamp: N/A
Luminaire Lumens: 19104.3 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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: P1221237

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_120V)

Luminous Intensity Polar Plot



CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	85	85	85	85	83			
2	101	93	87	82	98	91	86	81	87	82	79	83	79	76	80	77	74	74	74	74	74	72			
3	93	83	76	71	90	82	75	70	78	73	68	75	70	66	72	68	65	65	65	65	65	63			
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	57	57	57	57	55			
5	80	68	60	54	78	67	59	54	65	58	53	62	57	52	60	55	51	51	51	51	51	49			
6	74	62	54	49	72	61	54	48	59	53	48	57	51	47	55	50	46	46	46	46	46	44			
7	70	57	49	44	68	56	49	44	55	48	43	53	47	42	51	46	42	42	42	42	42	40			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	38	38	38	38	37			
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35	35	35	35	35	34			
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	36	33	33	33	33	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50827
5°	48698
10°	47372
15°	47028
20°	45834
25°	43649
30°	39157
35°	29404
40°	19424
45°	11828
50°	6399
55°	10493
60°	17313
65°	14716
70°	7058
75°	3809
80°	2719
85°	2219

MAXIMUM LUMINANCE 45°-90°:

Luminance: 17804 cd/sqm

TEST NUMBER: P1221237

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.4	4.7
10°-20°	2681.2	14.0
20°-30°	4132.6	21.6
30°-40°	3736.4	19.6
40°-50°	1852.0	9.7
50°-60°	1829.9	9.6
60°-70°	2279.2	11.9
70°-80°	639.3	3.3
80°-90°	281.2	1.5
90°-100°	179.6	0.9
100°-110°	158.9	0.8
110°-120°	173.8	0.9
120°-130°	108.6	0.6
130°-140°	42.9	0.2
140°-150°	45.9	0.2
150°-160°	46.2	0.2
160°-170°	23.2	0.1
170°-180°	5.0	0.0
0°-30°	7702.2	40.3
0°-40°	11438.6	59.9
0°-60°	15120.4	79.1
0°-90°	18320.1	95.9
90°-120°	512.4	2.7
90°-150°	709.8	3.7
90°-180°	784.0	4.1
0°-180°	19104.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9297	
5°	9290	888
15°	9503	2681
25°	9045	4133
35°	6060	3736
45°	2350	1852
55°	1944	1830
65°	2446	2279
75°	541	639
85°	252	226
90°	185	104
95°	160	131
105°	156	159
115°	195	174
125°	118	109
135°	51	43
145°	74	46
155°	102	46
165°	81	23
175°	48	5
180°	44	

TEST NUMBER: P1221237

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9297.4
2.5°	9283.1
5°	9290.2
7.5°	9307.0
10°	9340.4
12.5°	9425.2
15°	9502.9
17.5°	9505.3
20°	9415.7
22.5°	9252.0
25°	9045.3
27.5°	8781.3
30°	8123.0
32.5°	7158.8
35°	6059.7
37.5°	4875.7
40°	3946.2
42.5°	3123.0
45°	2350.0
47.5°	1655.9
50°	1233.0
52.5°	1408.6
55°	1943.8
57.5°	2585.4
60°	3053.7
62.5°	3052.5
65°	2445.6
67.5°	1671.4
70°	1092.0
72.5°	747.9
75°	541.2
77.5°	418.2
80°	348.9
82.5°	296.3
85°	252.1
87.5°	216.2
90°	185.2
92.5°	169.7
95°	160.1
97.5°	156.5
100°	158.9
102.5°	160.1
105°	156.5
107.5°	138.6
110°	131.4

TEST NUMBER: P1221237

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.3
115°	194.7
117.5°	193.5
120°	173.2
122.5°	147.0
125°	118.3
127.5°	92.0
130°	72.9
132.5°	59.7
135°	51.4
137.5°	47.8
140°	50.2
142.5°	58.5
145°	74.1
147.5°	89.6
150°	98.0
152.5°	101.6
155°	101.6
157.5°	99.2
160°	95.6
162.5°	89.6
165°	81.2
167.5°	70.5
170°	60.9
172.5°	52.6
175°	47.8
177.5°	45.4
180°	44.2

TEST NUMBER: P1221237

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L18_Wide_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	20.55	21.90	20.99	22.30	22.72	20.55	21.90	20.99	22.30	22.72
	3H	21.68	22.89	22.13	23.31	23.77	21.68	22.89	22.13	23.31	23.77
	4H	21.78	22.92	22.25	23.36	23.84	21.78	22.92	22.25	23.36	23.84
	6H	21.82	22.88	22.30	23.33	23.82	21.82	22.88	22.30	23.33	23.82
	8H	21.83	22.83	22.33	23.31	23.81	21.83	22.83	22.33	23.31	23.81
	12H	21.84	22.80	22.34	23.26	23.79	21.84	22.80	22.34	23.26	23.79
4H	2H	21.33	22.47	21.80	22.91	23.39	21.33	22.47	21.80	22.91	23.39
	3H	22.37	23.32	22.85	23.80	24.30	22.37	23.32	22.85	23.80	24.30
	4H	22.49	23.35	22.99	23.84	24.38	22.49	23.35	22.99	23.84	24.38
	6H	22.57	23.31	23.09	23.83	24.39	22.57	23.31	23.09	23.83	24.39
	8H	22.59	23.29	23.12	23.81	24.37	22.59	23.29	23.12	23.81	24.37
	12H	22.62	23.24	23.17	23.79	24.36	22.62	23.24	23.17	23.79	24.36
8H	4H	22.47	23.17	23.01	23.69	24.25	22.47	23.17	23.01	23.69	24.25
	6H	22.59	23.15	23.15	23.72	24.29	22.59	23.15	23.15	23.72	24.29
	8H	22.64	23.14	23.22	23.72	24.31	22.64	23.14	23.22	23.72	24.31
	12H	22.71	23.15	23.29	23.71	24.37	22.71	23.15	23.29	23.71	24.37
12H	4H	22.45	23.07	23.00	23.62	24.19	22.45	23.07	23.00	23.62	24.19
	6H	22.57	23.07	23.15	23.65	24.23	22.57	23.07	23.15	23.65	24.23
	8H	22.65	23.08	23.23	23.65	24.31	22.65	23.08	23.23	23.65	24.31

END OF REPORT