

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: P1221297

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221297
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-21)
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 (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

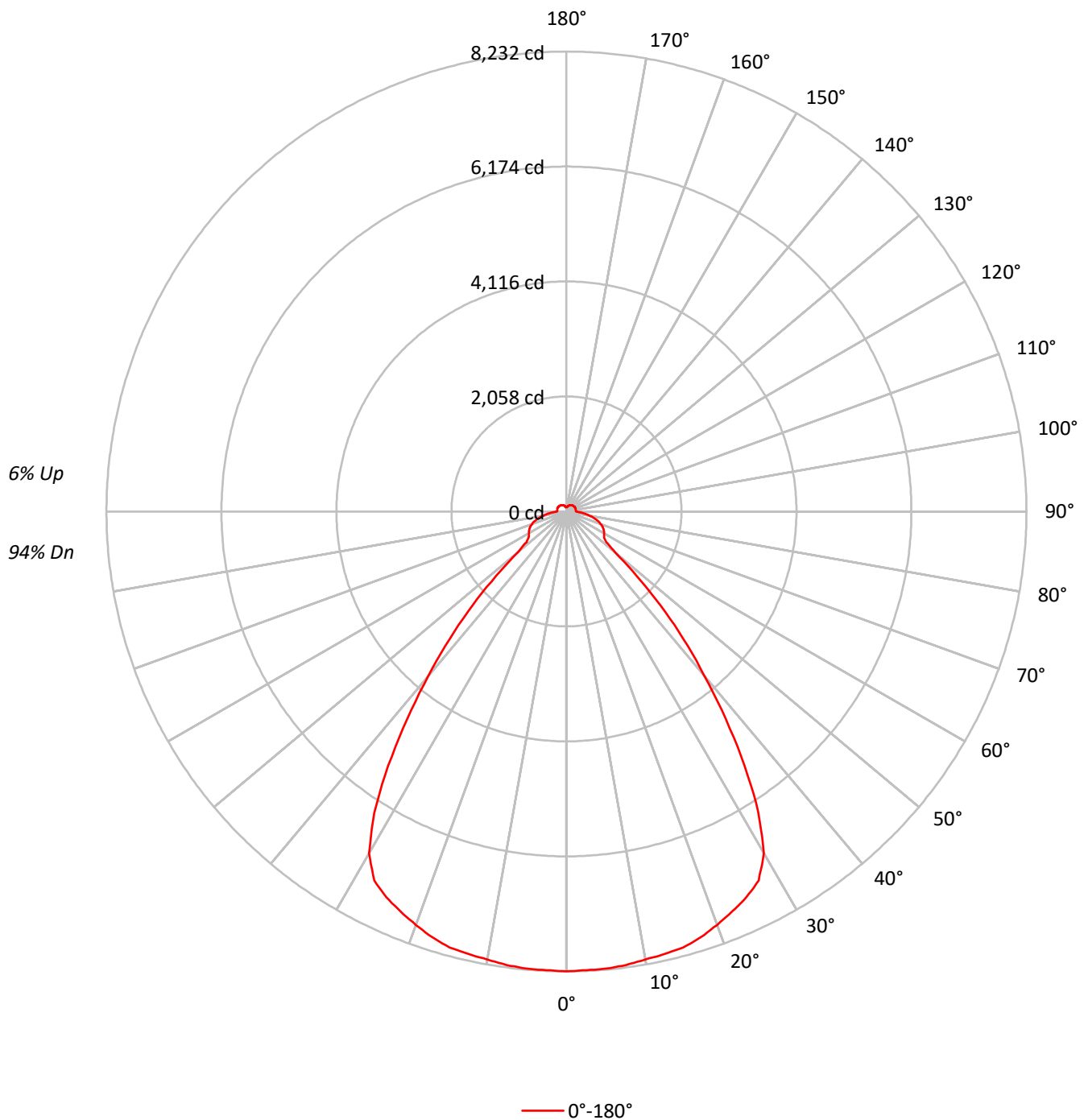
Lumens per Lamp: N/A
Luminaire Lumens: 15168.9 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
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

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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		96	96	96
1	109	105	102	98		106	102	99	96		97	94	92		92	90	88		88	86	84
2	101	95	89	84		98	92	87	83		88	84	80		84	80	77		80	77	75
3	94	86	79	74		91	84	78	73		80	75	71		76	72	69		73	70	67
4	88	78	71	65		85	76	70	64		73	67	63		70	65	61		67	63	60
5	82	71	64	58		80	70	63	58		67	61	57		65	59	55		62	58	54
6	77	66	58	53		75	64	57	52		62	56	51		60	54	50		58	53	49
7	72	60	53	48		70	59	52	47		57	51	47		55	50	46		54	49	45
8	68	56	49	44		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	40		50	43	39		48	43	39		47	42	38
10	60	48	41	37		59	48	41	37		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45001
5°	43069
10°	41296
15°	39968
20°	38341
25°	36778
30°	34057
35°	26981
40°	18905
45°	11962
50°	5859
55°	4461
60°	4397
65°	4386
70°	4226
75°	3838
80°	3204
85°	2439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 11962 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.8	5.2
10°-20°	2277.8	15.0
20°-30°	3495.1	23.0
30°-40°	3428.4	22.6
40°-50°	1840.2	12.1
50°-60°	776.7	5.1
60°-70°	717.5	4.7
70°-80°	570.6	3.8
80°-90°	306.9	2.0
90°-100°	182.9	1.2
100°-110°	180.6	1.2
110°-120°	168.1	1.1
120°-130°	145.7	1.0
130°-140°	117.9	0.8
140°-150°	86.9	0.6
150°-160°	56.1	0.4
160°-170°	28.2	0.2
170°-180°	7.6	0.1
0°-30°	6554.7	43.2
0°-40°	9983.1	65.8
0°-60°	12600.0	83.1
0°-90°	14195.0	93.6
90°-120°	531.6	3.5
90°-150°	882.0	5.8
90°-180°	974.0	6.4
0°-180°	15168.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8232	
5°	8216	782
15°	8076	2278
25°	7621	3495
35°	5560	3428
45°	2377	1840
55°	826	777
65°	729	717
75°	545	571
85°	277	254
90°	175	100
95°	166	136
105°	171	181
115°	170	168
125°	162	146
135°	152	118
145°	138	87
155°	121	56
165°	98	28
175°	79	8
180°	78	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8231.6
2.5°	8216.4
5°	8216.4
7.5°	8188.0
10°	8142.3
12.5°	8114.9
15°	8076.3
17.5°	7994.0
20°	7876.3
22.5°	7751.4
25°	7621.4
27.5°	7445.8
30°	7065.1
32.5°	6396.0
35°	5560.5
37.5°	4678.3
40°	3840.7
42.5°	3092.4
45°	2376.7
47.5°	1700.5
50°	1129.0
52.5°	898.5
55°	826.4
57.5°	797.0
60°	775.6
62.5°	755.3
65°	728.9
67.5°	695.4
70°	653.8
72.5°	604.1
75°	545.2
77.5°	479.2
80°	411.2
82.5°	343.2
85°	277.2
87.5°	213.2
90°	174.6
92.5°	164.5
95°	166.5
97.5°	167.5
100°	169.5
102.5°	170.6
105°	170.6
107.5°	171.6
110°	170.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	170.6
115°	169.5
117.5°	168.5
120°	166.5
122.5°	164.5
125°	162.4
127.5°	160.4
130°	157.4
132.5°	155.3
135°	152.3
137.5°	149.2
140°	145.2
142.5°	142.1
145°	138.1
147.5°	134.0
150°	130.0
152.5°	125.9
155°	120.8
157.5°	115.7
160°	110.7
162.5°	104.6
165°	98.5
167.5°	91.4
170°	84.3
172.5°	78.2
175°	79.2
177.5°	79.2
180°	78.2

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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	13.11	14.31	13.59	14.76	15.23	13.11	14.31	13.59	14.76	15.23
	3H	15.53	16.60	16.02	17.07	17.59	15.53	16.60	16.02	17.07	17.59
	4H	16.49	17.50	17.00	17.98	18.52	16.49	17.50	17.00	17.98	18.52
	6H	17.24	18.17	17.76	18.66	19.21	17.24	18.17	17.76	18.66	19.21
	8H	17.51	18.39	18.04	18.90	19.46	17.51	18.39	18.04	18.90	19.46
	12H	17.71	18.56	18.25	19.06	19.65	17.71	18.56	18.25	19.06	19.65
4H	2H	13.80	14.81	14.32	15.29	15.83	13.80	14.81	14.32	15.29	15.83
	3H	16.39	17.23	16.91	17.76	18.31	16.39	17.23	16.91	17.76	18.31
	4H	17.47	18.23	18.01	18.77	19.36	17.47	18.23	18.01	18.77	19.36
	6H	18.34	19.00	18.90	19.56	20.17	18.34	19.00	18.90	19.56	20.17
	8H	18.66	19.28	19.23	19.84	20.46	18.66	19.28	19.23	19.84	20.46
	12H	18.92	19.47	19.51	20.06	20.68	18.92	19.47	19.51	20.06	20.68
8H	4H	17.79	18.41	18.37	18.97	19.59	17.79	18.41	18.37	18.97	19.59
	6H	18.80	19.31	19.40	19.92	20.54	18.80	19.31	19.40	19.92	20.54
	8H	19.21	19.67	19.83	20.29	20.92	19.21	19.67	19.83	20.29	20.92
	12H	19.57	19.98	20.19	20.58	21.29	19.57	19.98	20.19	20.58	21.29
12H	4H	17.82	18.37	18.41	18.97	19.59	17.82	18.37	18.41	18.97	19.59
	6H	18.86	19.32	19.48	19.94	20.58	18.86	19.32	19.48	19.94	20.58
	8H	19.34	19.74	19.95	20.34	21.05	19.34	19.74	19.95	20.34	21.05