

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: P1221298

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (6500K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221298
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 (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

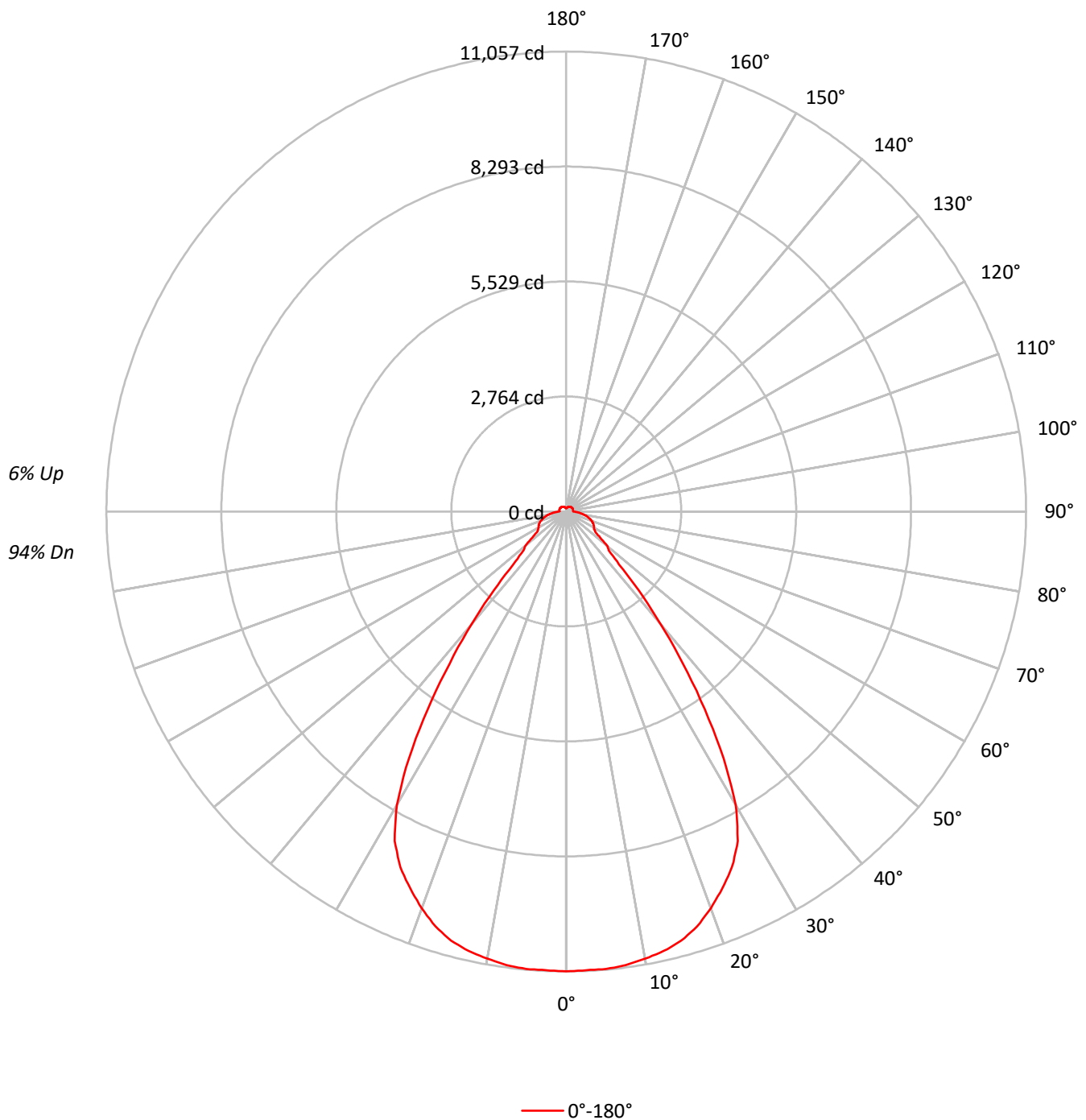
Lumens per Lamp: N/A
Luminaire Lumens: 16903.4 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 122.6
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°	60445
5°	57870
10°	55372
15°	52884
20°	49424
25°	45529
30°	39289
35°	28170
40°	17391
45°	9047
50°	6691
55°	4608
60°	4368
65°	4336
70°	4167
75°	3852
80°	3330
85°	2560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.9	6.2
10°-20°	3001.5	17.8
20°-30°	4294.0	25.4
30°-40°	3601.1	21.3
40°-50°	1557.3	9.2
50°-60°	825.6	4.9
60°-70°	709.5	4.2
70°-80°	573.6	3.4
80°-90°	319.9	1.9
90°-100°	182.0	1.1
100°-110°	179.5	1.1
110°-120°	167.2	1.0
120°-130°	144.9	0.9
130°-140°	117.1	0.7
140°-150°	86.7	0.5
150°-160°	56.7	0.3
160°-170°	28.8	0.2
170°-180°	7.9	0.0
0°-30°	8345.4	49.4
0°-40°	11946.5	70.7
0°-60°	14329.4	84.8
0°-90°	15932.5	94.3
90°-120°	528.7	3.1
90°-150°	877.4	5.2
90°-180°	971.0	5.7
0°-180°	16903.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11057	
5°	11040	###
15°	10686	3001
25°	9435	4294
35°	5806	3601
45°	1798	1557
55°	854	826
65°	721	710
75°	547	574
85°	291	266
90°	176	101
95°	165	136
105°	170	179
115°	169	167
125°	162	145
135°	151	117
145°	138	87
155°	122	57
165°	101	29
175°	82	8
180°	82	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11056.6
2.5°	11038.8
5°	11040.0
7.5°	11000.8
10°	10917.7
12.5°	10823.9
15°	10686.2
17.5°	10460.6
20°	10153.1
22.5°	9808.8
25°	9434.9
27.5°	8935.0
30°	8150.3
32.5°	7042.6
35°	5805.5
37.5°	4607.6
40°	3533.2
42.5°	2573.9
45°	1797.5
47.5°	1386.7
50°	1289.3
52.5°	1018.6
55°	853.6
57.5°	797.8
60°	770.5
62.5°	748.0
65°	720.6
67.5°	686.2
70°	644.7
72.5°	598.4
75°	547.3
77.5°	490.3
80°	427.4
82.5°	362.1
85°	290.9
87.5°	219.6
90°	175.7
92.5°	162.6
95°	165.0
97.5°	167.4
100°	168.6
102.5°	169.8
105°	169.8
107.5°	169.8
110°	169.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	169.8
115°	168.6
117.5°	167.4
120°	166.2
122.5°	163.8
125°	161.5
127.5°	159.1
130°	156.7
132.5°	154.3
135°	150.8
137.5°	148.4
140°	144.8
142.5°	141.3
145°	137.7
147.5°	134.2
150°	130.6
152.5°	127.0
155°	122.3
157.5°	117.5
160°	111.6
162.5°	106.9
165°	100.9
167.5°	93.8
170°	87.9
172.5°	81.9
175°	81.9
177.5°	81.9
180°	81.9

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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	12.83	13.99	13.30	14.42	14.88	12.83	13.99	13.30	14.42	14.88
	3H	15.19	16.23	15.67	16.68	17.18	15.19	16.23	15.67	16.68	17.18
	4H	16.16	17.13	16.67	17.60	18.13	16.16	17.13	16.67	17.60	18.13
	6H	16.96	17.85	17.47	18.34	18.87	16.96	17.85	17.47	18.34	18.87
	8H	17.25	18.10	17.78	18.60	19.15	17.25	18.10	17.78	18.60	19.15
	12H	17.48	18.29	18.01	18.79	19.35	17.48	18.29	18.01	18.79	19.35
4H	2H	13.50	14.47	14.00	14.93	15.46	13.50	14.47	14.00	14.93	15.46
	3H	16.03	16.84	16.55	17.36	17.90	16.03	16.84	16.55	17.36	17.90
	4H	17.13	17.86	17.66	18.38	18.96	17.13	17.86	17.66	18.38	18.96
	6H	18.05	18.69	18.61	19.24	19.84	18.05	18.69	18.61	19.24	19.84
	8H	18.40	19.00	18.97	19.55	20.15	18.40	19.00	18.97	19.55	20.15
	12H	18.69	19.22	19.27	19.80	20.40	18.69	19.22	19.27	19.80	20.40
8H	4H	17.46	18.05	18.02	18.60	19.21	17.46	18.05	18.02	18.60	19.21
	6H	18.53	19.02	19.12	19.61	20.22	18.53	19.02	19.12	19.61	20.22
	8H	18.98	19.42	19.59	20.03	20.65	18.98	19.42	19.59	20.03	20.65
	12H	19.37	19.76	19.98	20.35	21.05	19.37	19.76	19.98	20.35	21.05
12H	4H	17.49	18.02	18.07	18.60	19.21	17.49	18.02	18.07	18.60	19.21
	6H	18.60	19.04	19.21	19.65	20.27	18.60	19.04	19.21	19.65	20.27
	8H	19.11	19.50	19.72	20.09	20.79	19.11	19.50	19.72	20.09	20.79

END OF REPORT