

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: P1221290

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221290
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

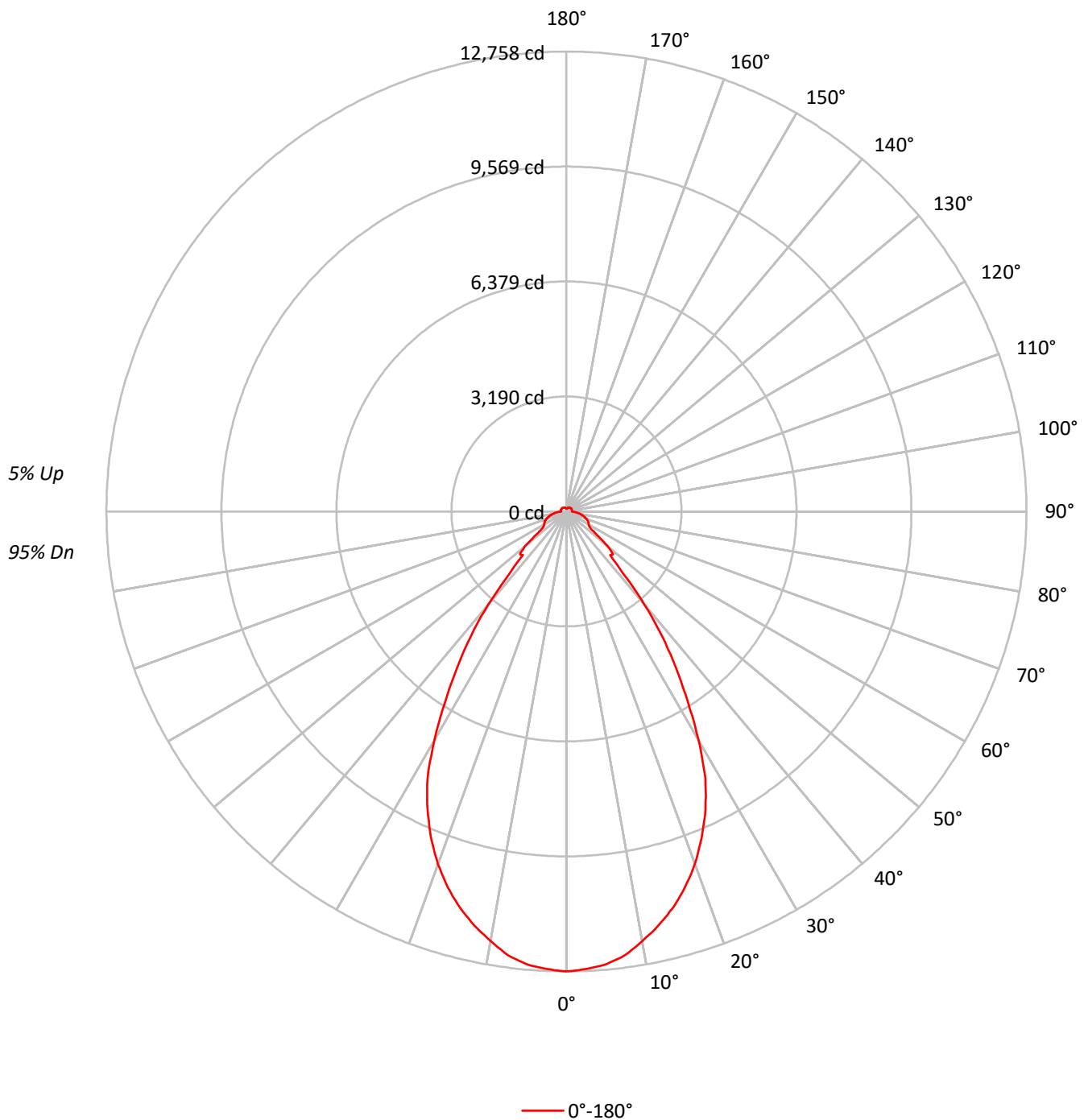
Lumens per Lamp: N/A
Luminaire Lumens: 16564.8 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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

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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	50	30	10
RCR																				
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95		
1	110	106	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86	84		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77	75		
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70	68		
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64	62		
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	56		
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54	52		
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50	48		
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46	44		
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43	41		
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69747
5°	66122
10°	61397
15°	56365
20°	50684
25°	44016
30°	35307
35°	25633
40°	16615
45°	8621
50°	7675
55°	4338
60°	4039
65°	3991
70°	3792
75°	3436
80°	2963
85°	2322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 8965 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1188.0	7.2
10°-20°	3190.2	19.3
20°-30°	4141.6	25.0
30°-40°	3289.4	19.9
40°-50°	1574.7	9.5
50°-60°	816.7	4.9
60°-70°	652.1	3.9
70°-80°	514.1	3.1
80°-90°	287.5	1.7
90°-100°	167.0	1.0
100°-110°	167.5	1.0
110°-120°	156.7	0.9
120°-130°	136.3	0.8
130°-140°	110.6	0.7
140°-150°	82.6	0.5
150°-160°	54.4	0.3
160°-170°	27.8	0.2
170°-180°	7.7	0.0
0°-30°	8519.8	51.4
0°-40°	11809.2	71.3
0°-60°	14200.5	85.7
0°-90°	15654.2	94.5
90°-120°	491.1	3.0
90°-150°	820.6	5.0
90°-180°	911.0	5.5
0°-180°	16564.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12758	
5°	12614	###
15°	11390	3190
25°	9121	4142
35°	5283	3289
45°	1713	1575
55°	804	817
65°	663	652
75°	488	514
85°	264	239
90°	149	89
95°	154	126
105°	158	167
115°	158	157
125°	152	136
135°	143	111
145°	131	83
155°	118	54
165°	97	28
175°	80	8
180°	80	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12758.2
2.5°	12706.6
5°	12614.3
7.5°	12417.6
10°	12105.7
12.5°	11772.2
15°	11389.6
17.5°	10938.5
20°	10411.9
22.5°	9806.2
25°	9121.2
27.5°	8348.7
30°	7324.3
32.5°	6261.6
35°	5282.7
37.5°	4354.3
40°	3375.5
42.5°	2324.7
45°	1712.9
47.5°	1756.1
50°	1479.0
52.5°	1025.6
55°	803.7
57.5°	742.5
60°	712.5
62.5°	690.9
65°	663.3
67.5°	627.4
70°	586.6
72.5°	539.8
75°	488.2
77.5°	435.4
80°	380.3
82.5°	323.9
85°	263.9
87.5°	202.7
90°	148.7
92.5°	151.1
95°	153.5
97.5°	154.7
100°	157.1
102.5°	158.3
105°	158.3
107.5°	158.3
110°	159.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.3
115°	158.3
117.5°	157.1
120°	155.9
122.5°	153.5
125°	152.3
127.5°	149.9
130°	147.5
132.5°	145.1
135°	142.7
137.5°	140.3
140°	137.9
142.5°	134.3
145°	130.7
147.5°	128.3
150°	124.8
152.5°	121.2
155°	117.6
157.5°	112.8
160°	108.0
162.5°	103.2
165°	97.2
167.5°	91.2
170°	85.2
172.5°	79.2
175°	80.4
177.5°	80.4
180°	80.4

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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	12.42	13.57	12.88	14.00	14.46	12.42	13.57	12.88	14.00	14.46
	3H	14.71	15.74	15.19	16.19	16.69	14.71	15.74	15.19	16.19	16.69
	4H	15.63	16.60	16.13	17.06	17.58	15.63	16.60	16.13	17.06	17.58
	6H	16.38	17.27	16.89	17.75	18.28	16.38	17.27	16.89	17.75	18.28
	8H	16.67	17.51	17.19	18.01	18.55	16.67	17.51	17.19	18.01	18.55
	12H	16.89	17.69	17.42	18.19	18.75	16.89	17.69	17.42	18.19	18.75
4H	2H	13.07	14.03	13.57	14.50	15.01	13.07	14.03	13.57	14.50	15.01
	3H	15.53	16.34	16.04	16.85	17.38	15.53	16.34	16.04	16.85	17.38
	4H	16.57	17.30	17.10	17.82	18.39	16.57	17.30	17.10	17.82	18.39
	6H	17.46	18.08	18.01	18.63	19.22	17.46	18.08	18.01	18.63	19.22
	8H	17.80	18.38	18.36	18.93	19.53	17.80	18.38	18.36	18.93	19.53
	12H	18.08	18.60	18.66	19.18	19.78	18.08	18.60	18.66	19.18	19.78
8H	4H	16.89	17.48	17.45	18.02	18.62	16.89	17.48	17.45	18.02	18.62
	6H	17.91	18.39	18.50	18.99	19.59	17.91	18.39	18.50	18.99	19.59
	8H	18.35	18.78	18.96	19.39	20.01	18.35	18.78	18.96	19.39	20.01
	12H	18.74	19.12	19.35	19.71	20.41	18.74	19.12	19.35	19.71	20.41
12H	4H	16.92	17.44	17.49	18.02	18.62	16.92	17.44	17.49	18.02	18.62
	6H	17.98	18.41	18.59	19.02	19.64	17.98	18.41	18.59	19.02	19.64
	8H	18.48	18.86	19.09	19.45	20.15	18.48	18.86	19.09	19.45	20.15