

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: P1221261

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221261
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

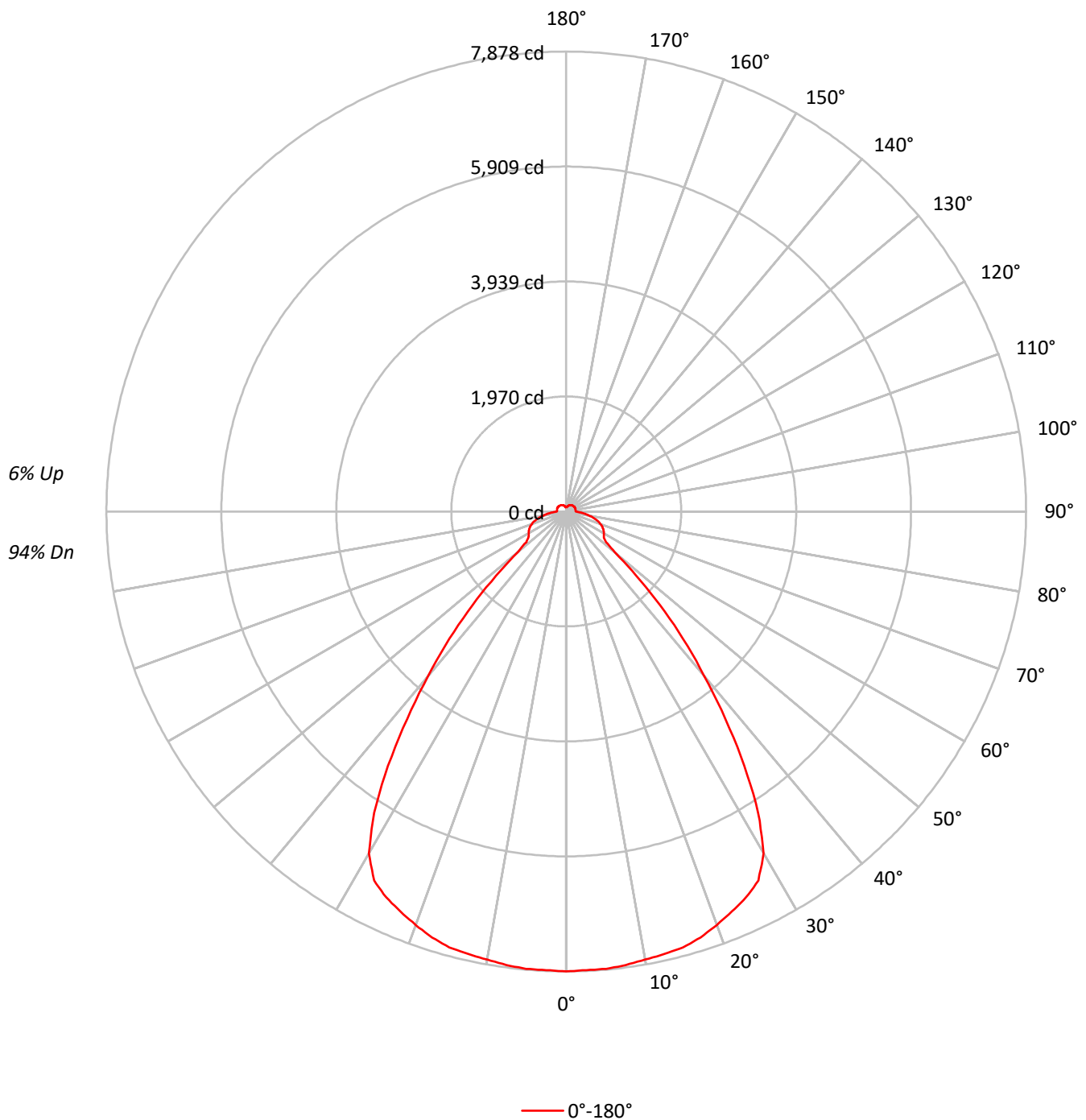
Lumens per Lamp: N/A
Luminaire Lumens: 14517.9 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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	96	96	96	94		
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	88	86	84	82		
2	101	95	89	84	98	92	87	83	88	84	80	84	80	77	80	77	75	72		
3	94	86	79	74	91	84	78	73	80	75	71	76	72	69	73	70	67	65		
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60	58		
5	82	71	64	58	80	70	63	58	67	61	57	65	59	55	62	58	54	52		
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	58	53	49	48		
7	72	60	53	48	70	59	52	47	57	51	47	55	50	46	54	49	45	43		
8	68	56	49	44	66	55	48	43	53	47	43	52	46	42	50	45	41	40		
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38	37		
10	60	48	41	37	59	48	41	37	46	40	36	45	40	36	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43070
5°	41221
10°	39524
15°	38253
20°	36695
25°	35200
30°	32596
35°	25823
40°	18094
45°	11449
50°	5607
55°	4269
60°	4209
65°	4198
70°	4045
75°	3673
80°	3066
85°	2335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 11449 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	748.2	5.2
10°-20°	2180.1	15.0
20°-30°	3345.1	23.0
30°-40°	3281.3	22.6
40°-50°	1761.3	12.1
50°-60°	743.3	5.1
60°-70°	686.7	4.7
70°-80°	546.1	3.8
80°-90°	293.8	2.0
90°-100°	175.1	1.2
100°-110°	172.8	1.2
110°-120°	160.9	1.1
120°-130°	139.4	1.0
130°-140°	112.8	0.8
140°-150°	83.1	0.6
150°-160°	53.7	0.4
160°-170°	27.0	0.2
170°-180°	7.3	0.1
0°-30°	6273.4	43.2
0°-40°	9554.7	65.8
0°-60°	12059.3	83.1
0°-90°	13585.9	93.6
90°-120°	508.7	3.5
90°-150°	844.1	5.8
90°-180°	932.0	6.4
0°-180°	14517.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7878	
5°	7864	748
15°	7730	2180
25°	7294	3345
35°	5322	3281
45°	2275	1761
55°	791	743
65°	698	687
75°	522	546
85°	265	243
90°	167	95
95°	159	131
105°	163	173
115°	162	161
125°	156	139
135°	146	113
145°	132	83
155°	116	54
165°	94	27
175°	76	7
180°	75	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7878.4
2.5°	7863.8
5°	7863.8
7.5°	7836.6
10°	7792.9
12.5°	7766.6
15°	7729.7
17.5°	7651.0
20°	7538.3
22.5°	7418.8
25°	7294.4
27.5°	7126.3
30°	6761.9
32.5°	6121.6
35°	5321.9
37.5°	4477.5
40°	3675.9
42.5°	2959.7
45°	2274.7
47.5°	1627.6
50°	1080.5
52.5°	859.9
55°	790.9
57.5°	762.8
60°	742.4
62.5°	722.9
65°	697.7
67.5°	665.6
70°	625.8
72.5°	578.1
75°	521.8
77.5°	458.6
80°	393.5
82.5°	328.4
85°	265.3
87.5°	204.1
90°	167.1
92.5°	157.4
95°	159.4
97.5°	160.3
100°	162.3
102.5°	163.2
105°	163.2
107.5°	164.2
110°	163.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	163.2
115°	162.3
117.5°	161.3
120°	159.4
122.5°	157.4
125°	155.5
127.5°	153.5
130°	150.6
132.5°	148.7
135°	145.8
137.5°	142.8
140°	139.0
142.5°	136.0
145°	132.1
147.5°	128.3
150°	124.4
152.5°	120.5
155°	115.6
157.5°	110.8
160°	105.9
162.5°	100.1
165°	94.3
167.5°	87.5
170°	80.6
172.5°	74.8
175°	75.8
177.5°	75.8
180°	74.8

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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	12.96	14.16	13.43	14.61	15.08	12.96	14.16	13.43	14.61	15.08
	3H	15.38	16.45	15.87	16.91	17.44	15.38	16.45	15.87	16.91	17.44
	4H	16.34	17.35	16.85	17.83	18.37	16.34	17.35	16.85	17.83	18.37
	6H	17.09	18.02	17.61	18.51	19.06	17.09	18.02	17.61	18.51	19.06
	8H	17.35	18.24	17.89	18.75	19.31	17.35	18.24	17.89	18.75	19.31
	12H	17.56	18.40	18.10	18.91	19.49	17.56	18.40	18.10	18.91	19.49
4H	2H	13.65	14.66	14.17	15.14	15.68	13.65	14.66	14.17	15.14	15.68
	3H	16.24	17.08	16.76	17.61	18.16	16.24	17.08	16.76	17.61	18.16
	4H	17.32	18.08	17.86	18.61	19.21	17.32	18.08	17.86	18.61	19.21
	6H	18.19	18.85	18.75	19.41	20.02	18.19	18.85	18.75	19.41	20.02
	8H	18.51	19.12	19.08	19.69	20.30	18.51	19.12	19.08	19.69	20.30
	12H	18.77	19.32	19.36	19.91	20.53	18.77	19.32	19.36	19.91	20.53
8H	4H	17.64	18.26	18.21	18.82	19.44	17.64	18.26	18.21	18.82	19.44
	6H	18.65	19.16	19.25	19.76	20.39	18.65	19.16	19.25	19.76	20.39
	8H	19.06	19.52	19.68	20.14	20.77	19.06	19.52	19.68	20.14	20.77
	12H	19.42	19.83	20.04	20.43	21.14	19.42	19.83	20.04	20.43	21.14
12H	4H	17.67	18.22	18.26	18.81	19.44	17.67	18.22	18.26	18.81	19.44
	6H	18.71	19.17	19.33	19.79	20.43	18.71	19.17	19.33	19.79	20.43
	8H	19.18	19.59	19.80	20.19	20.90	19.18	19.59	19.80	20.19	20.90