

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: P1221220

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221220
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-15)
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 (3500K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

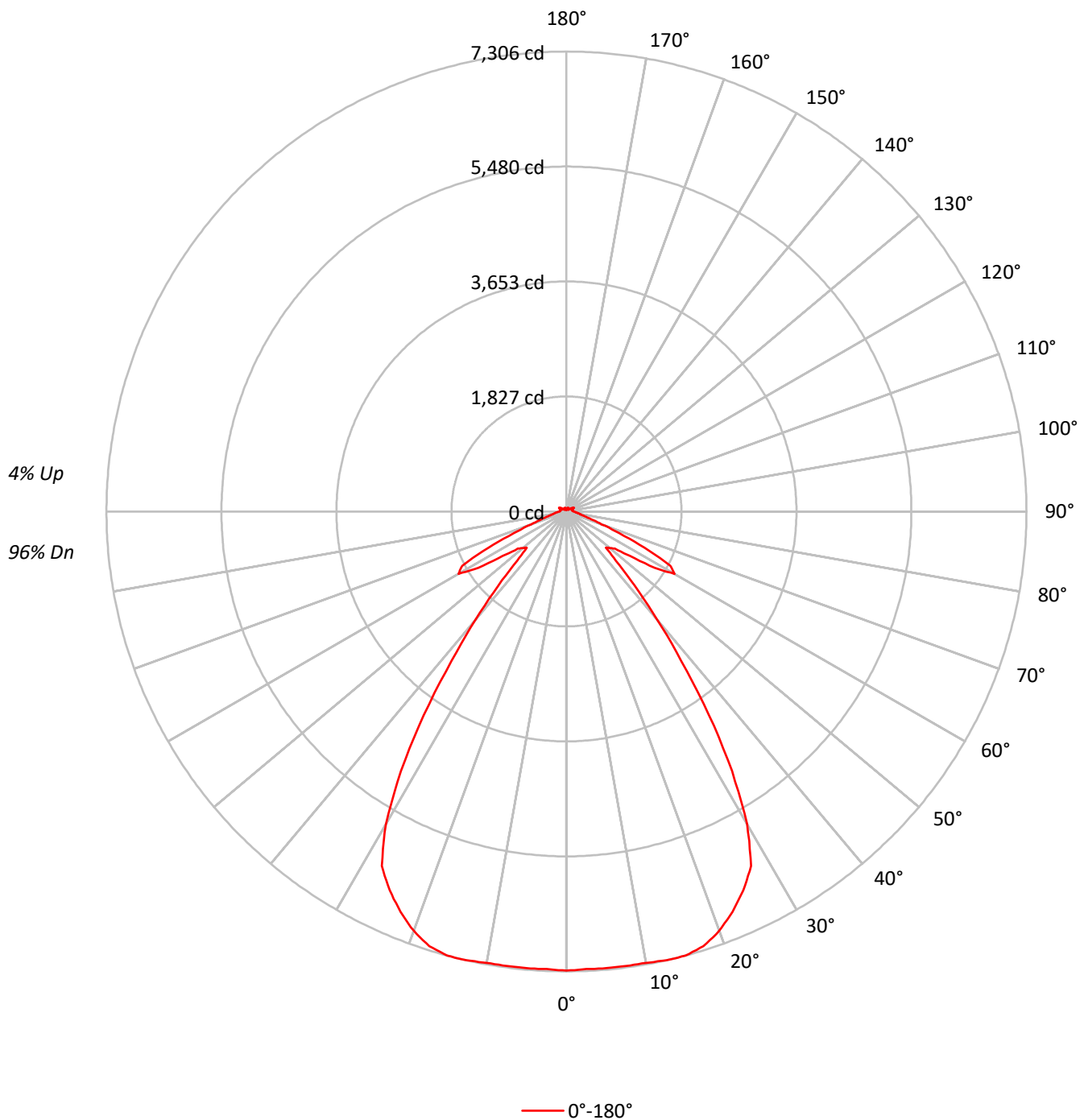
Lumens per Lamp: N/A
Luminaire Lumens: 12757.0 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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	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	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	76	76	76	73	73			
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	67	67	67	65	65			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	58	58			
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	54	54	52	52	52			
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	49	49	47	47	47			
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	43	43	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	39	39	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	36	36	36			
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	35	35	34	34	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39874
5°	38176
10°	36921
15°	36153
20°	34521
25°	32053
30°	27667
35°	19155
40°	11022
45°	5562
50°	4681
55°	6662
60°	11238
65°	8227
70°	3857
75°	2126
80°	1589
85°	1318

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 11238 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.1	5.4
10°-20°	2055.3	16.1
20°-30°	3025.9	23.7
30°-40°	2440.1	19.1
40°-50°	977.4	7.7
50°-60°	1201.3	9.4
60°-70°	1335.0	10.5
70°-80°	356.6	2.8
80°-90°	166.5	1.3
90°-100°	110.1	0.9
100°-110°	97.7	0.8
110°-120°	117.2	0.9
120°-130°	72.9	0.6
130°-140°	29.2	0.2
140°-150°	30.0	0.2
150°-160°	29.2	0.2
160°-170°	14.6	0.1
170°-180°	2.9	0.0
0°-30°	5776.3	45.3
0°-40°	8216.4	64.4
0°-60°	10395.0	81.5
0°-90°	12253.1	96.1
90°-120°	325.1	2.5
90°-150°	457.1	3.6
90°-180°	504.0	4.0
0°-180°	12757.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7294	
5°	7283	695
15°	7306	2055
25°	6642	3026
35°	3948	2440
45°	1105	977
55°	1234	1201
65°	1367	1335
75°	302	357
85°	150	134
90°	111	62
95°	98	81
105°	95	98
115°	133	117
125°	79	73
135°	35	29
145°	49	30
155°	64	29
165°	51	15
175°	28	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7293.8
2.5°	7277.2
5°	7283.0
7.5°	7283.0
10°	7279.7
12.5°	7303.8
15°	7305.5
17.5°	7240.6
20°	7091.6
22.5°	6885.3
25°	6642.3
27.5°	6351.0
30°	5739.4
32.5°	4891.4
35°	3947.7
37.5°	2990.8
40°	2239.3
42.5°	1598.6
45°	1105.1
47.5°	850.5
50°	902.1
52.5°	970.3
55°	1234.1
57.5°	1663.5
60°	1982.2
62.5°	1860.7
65°	1367.2
67.5°	902.9
70°	596.7
72.5°	413.6
75°	302.1
77.5°	238.0
80°	203.9
82.5°	175.6
85°	149.8
87.5°	128.2
90°	110.7
92.5°	103.2
95°	98.2
97.5°	97.4
100°	99.0
102.5°	99.9
105°	94.9
107.5°	83.2
110°	83.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.2
115°	133.1
117.5°	132.3
120°	116.5
122.5°	98.2
125°	79.1
127.5°	62.4
130°	49.1
132.5°	40.8
135°	35.0
137.5°	32.5
140°	34.1
142.5°	39.9
145°	49.1
147.5°	56.6
150°	60.7
152.5°	63.2
155°	64.1
157.5°	64.1
160°	61.6
162.5°	57.4
165°	50.8
167.5°	43.3
170°	35.8
172.5°	30.8
175°	28.3
177.5°	26.6
180°	25.8

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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	18.97	20.27	19.41	20.66	21.08	18.97	20.27	19.41	20.66	21.08
	3H	19.77	20.93	20.21	21.34	21.80	19.77	20.93	20.21	21.34	21.80
	4H	19.83	20.93	20.30	21.36	21.84	19.83	20.93	20.30	21.36	21.84
	6H	19.86	20.86	20.34	21.31	21.80	19.86	20.86	20.34	21.31	21.80
	8H	19.86	20.82	20.36	21.29	21.79	19.86	20.82	20.36	21.29	21.79
	12H	19.86	20.78	20.36	21.24	21.76	19.86	20.78	20.36	21.24	21.76
4H	2H	19.53	20.63	20.00	21.06	21.54	19.53	20.63	20.00	21.06	21.54
	3H	20.31	21.22	20.79	21.70	22.20	20.31	21.22	20.79	21.70	22.20
	4H	20.39	21.22	20.90	21.71	22.24	20.39	21.22	20.90	21.71	22.24
	6H	20.46	21.17	20.98	21.69	22.24	20.46	21.17	20.98	21.69	22.24
	8H	20.47	21.14	21.01	21.65	22.22	20.47	21.14	21.01	21.65	22.22
	12H	20.50	21.08	21.05	21.64	22.20	20.50	21.08	21.05	21.64	22.20
8H	4H	20.36	21.02	20.89	21.54	22.10	20.36	21.02	20.89	21.54	22.10
	6H	20.45	20.99	21.02	21.56	22.13	20.45	20.99	21.02	21.56	22.13
	8H	20.50	20.98	21.09	21.56	22.14	20.50	20.98	21.09	21.56	22.14
	12H	20.57	20.98	21.15	21.54	22.20	20.57	20.98	21.15	21.54	22.20
12H	4H	20.33	20.92	20.88	21.47	22.03	20.33	20.92	20.88	21.47	22.03
	6H	20.43	20.90	21.01	21.48	22.07	20.43	20.90	21.01	21.48	22.07
	8H	20.51	20.92	21.09	21.48	22.14	20.51	20.92	21.09	21.48	22.14

END OF REPORT