

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: P1221241

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221241
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 (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

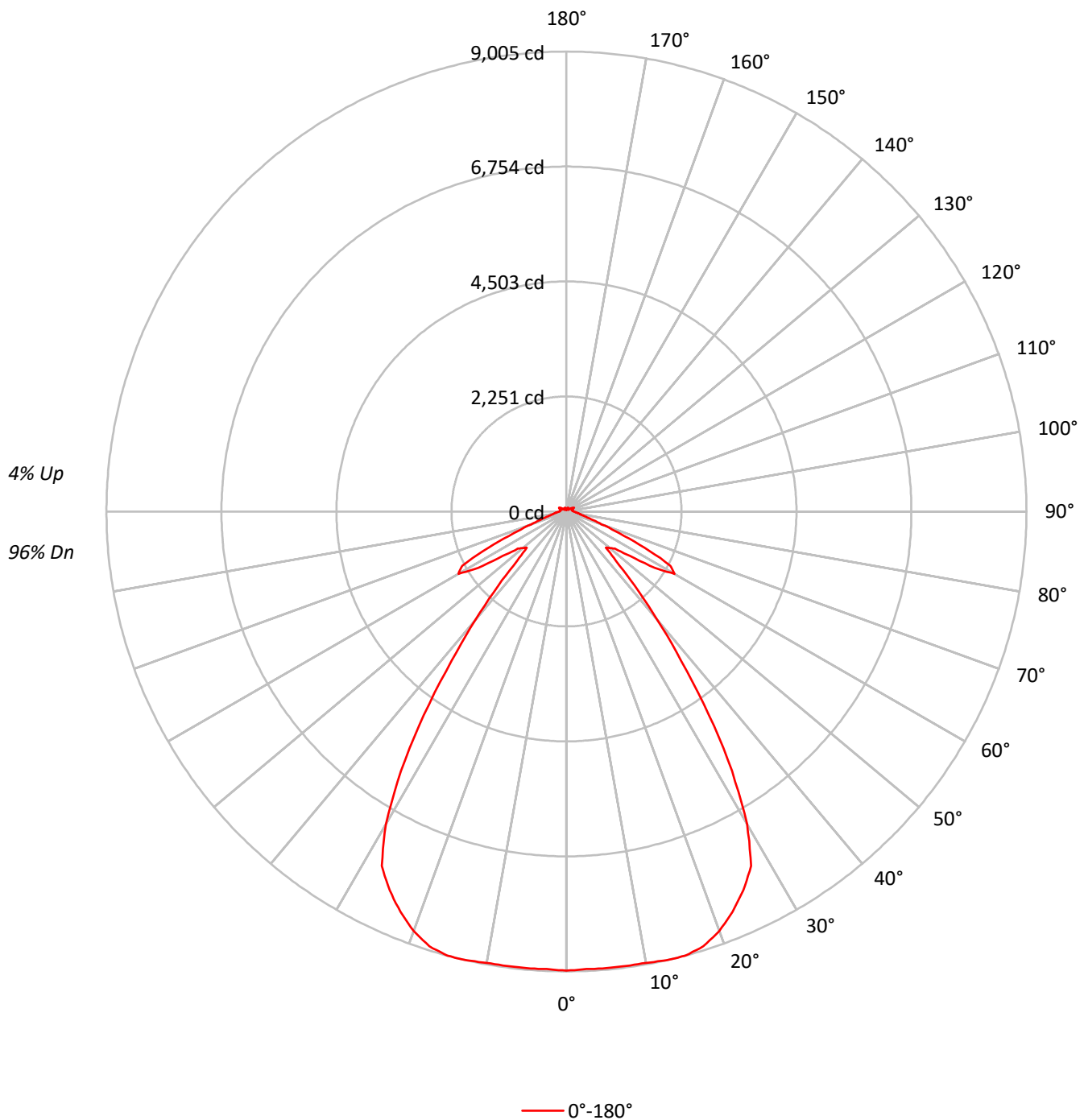
Lumens per Lamp: N/A
Luminaire Lumens: 15724.9 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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	96							
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84							
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	73							
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	65							
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	58							
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	52							
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	47							
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43							
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	39							
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36							
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	34							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49152
5°	47059
10°	45511
15°	44565
20°	42553
25°	39511
30°	34104
35°	23613
40°	13587
45°	6856
50°	5770
55°	8212
60°	13853
65°	10141
70°	4754
75°	2621
80°	1958
85°	1625

MAXIMUM LUMINANCE 45°-90°:

Luminance: 13853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.8	5.4
10°-20°	2533.5	16.1
20°-30°	3729.9	23.7
30°-40°	3007.8	19.1
40°-50°	1204.7	7.7
50°-60°	1480.7	9.4
60°-70°	1645.6	10.5
70°-80°	439.6	2.8
80°-90°	205.2	1.3
90°-100°	135.7	0.9
100°-110°	120.4	0.8
110°-120°	144.6	0.9
120°-130°	89.9	0.6
130°-140°	36.0	0.2
140°-150°	36.9	0.2
150°-160°	36.0	0.2
160°-170°	18.0	0.1
170°-180°	3.6	0.0
0°-30°	7120.2	45.3
0°-40°	10128.1	64.4
0°-60°	12813.5	81.5
0°-90°	15103.9	96.1
90°-120°	400.7	2.5
90°-150°	563.4	3.6
90°-180°	621.0	3.9
0°-180°	15724.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8991	
5°	8978	857
15°	9005	2533
25°	8188	3730
35°	4866	3008
45°	1362	1205
55°	1521	1481
65°	1685	1646
75°	372	440
85°	185	165
90°	136	76
95°	121	100
105°	117	120
115°	164	145
125°	97	90
135°	43	36
145°	60	37
155°	79	36
165°	63	18
175°	35	4
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8990.9
2.5°	8970.4
5°	8977.5
7.5°	8977.5
10°	8973.4
12.5°	9003.2
15°	9005.2
17.5°	8925.2
20°	8741.6
22.5°	8487.2
25°	8187.7
27.5°	7828.7
30°	7074.7
32.5°	6029.5
35°	4866.3
37.5°	3686.6
40°	2760.3
42.5°	1970.5
45°	1362.2
47.5°	1048.3
50°	1111.9
52.5°	1196.0
55°	1521.2
57.5°	2050.5
60°	2443.4
62.5°	2293.6
65°	1685.3
67.5°	1113.0
70°	735.5
72.5°	509.8
75°	372.4
77.5°	293.4
80°	251.3
82.5°	216.4
85°	184.6
87.5°	158.0
90°	136.4
92.5°	127.2
95°	121.0
97.5°	120.0
100°	122.1
102.5°	123.1
105°	116.9
107.5°	102.6
110°	102.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	133.4
115°	164.1
117.5°	163.1
120°	143.6
122.5°	121.0
125°	97.4
127.5°	76.9
130°	60.5
132.5°	50.3
135°	43.1
137.5°	40.0
140°	42.1
142.5°	49.2
145°	60.5
147.5°	69.8
150°	74.9
152.5°	78.0
155°	79.0
157.5°	79.0
160°	75.9
162.5°	70.8
165°	62.6
167.5°	53.3
170°	44.1
172.5°	38.0
175°	34.9
177.5°	32.8
180°	31.8

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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	19.70	20.99	20.13	21.39	21.81	19.70	20.99	20.13	21.39	21.81
	3H	20.49	21.66	20.94	22.07	22.53	20.49	21.66	20.94	22.07	22.53
	4H	20.56	21.65	21.03	22.09	22.56	20.56	21.65	21.03	22.09	22.56
	6H	20.58	21.59	21.06	22.04	22.53	20.58	21.59	21.06	22.04	22.53
	8H	20.59	21.54	21.08	22.01	22.51	20.59	21.54	21.08	22.01	22.51
	12H	20.59	21.50	21.09	21.97	22.49	20.59	21.50	21.09	21.97	22.49
4H	2H	20.26	21.35	20.73	21.78	22.26	20.26	21.35	20.73	21.78	22.26
	3H	21.03	21.95	21.51	22.43	22.92	21.03	21.95	21.51	22.43	22.92
	4H	21.12	21.94	21.62	22.44	22.97	21.12	21.94	21.62	22.44	22.97
	6H	21.18	21.89	21.71	22.41	22.97	21.18	21.89	21.71	22.41	22.97
	8H	21.20	21.86	21.73	22.38	22.94	21.20	21.86	21.73	22.38	22.94
	12H	21.23	21.81	21.78	22.36	22.93	21.23	21.81	21.78	22.36	22.93
8H	4H	21.09	21.75	21.62	22.27	22.83	21.09	21.75	21.62	22.27	22.83
	6H	21.18	21.72	21.75	22.28	22.85	21.18	21.72	21.75	22.28	22.85
	8H	21.23	21.70	21.81	22.28	22.87	21.23	21.70	21.81	22.28	22.87
	12H	21.30	21.71	21.88	22.27	22.93	21.30	21.71	21.88	22.27	22.93
12H	4H	21.06	21.64	21.61	22.19	22.76	21.06	21.64	21.61	22.19	22.76
	6H	21.15	21.63	21.74	22.21	22.79	21.15	21.63	21.74	22.21	22.79
	8H	21.23	21.64	21.81	22.21	22.87	21.23	21.64	21.81	22.21	22.87

END OF REPORT