

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: P1221280

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221280
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

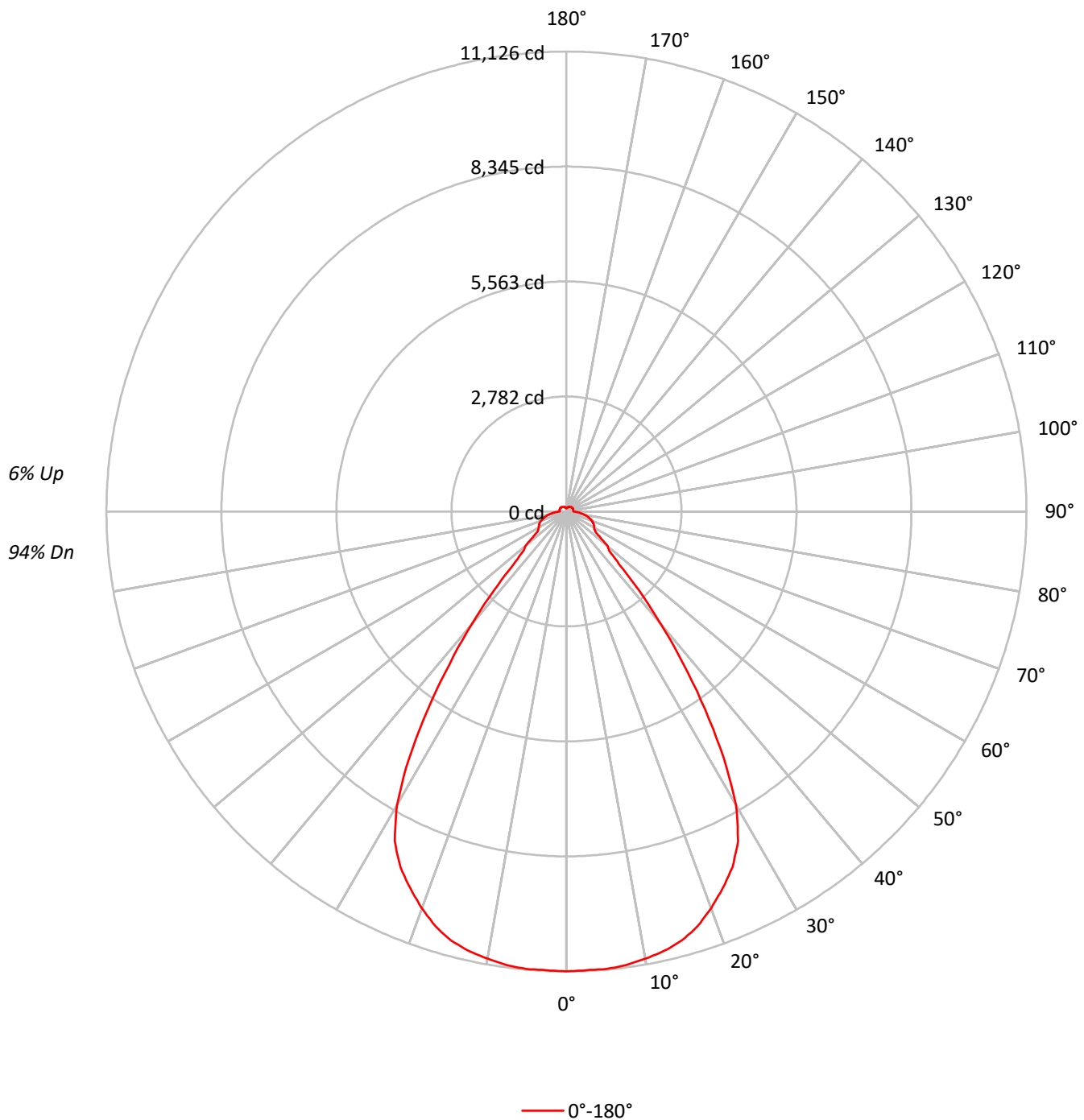
Lumens per Lamp: N/A
Luminaire Lumens: 17010.3 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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°	60827
5°	58236
10°	55722
15°	53218
20°	49737
25°	45817
30°	39537
35°	28348
40°	17501
45°	9104
50°	6733
55°	4637
60°	4396
65°	4364
70°	4193
75°	3877
80°	3351
85°	2576

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9104 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1056.6	6.2
10°-20°	3020.5	17.8
20°-30°	4321.2	25.4
30°-40°	3623.9	21.3
40°-50°	1567.1	9.2
50°-60°	830.9	4.9
60°-70°	714.0	4.2
70°-80°	577.2	3.4
80°-90°	321.9	1.9
90°-100°	183.2	1.1
100°-110°	180.5	1.1
110°-120°	168.3	1.0
120°-130°	145.9	0.9
130°-140°	117.9	0.7
140°-150°	87.2	0.5
150°-160°	57.1	0.3
160°-170°	29.0	0.2
170°-180°	8.0	0.0
0°-30°	8398.2	49.4
0°-40°	12022.1	70.7
0°-60°	14420.1	84.8
0°-90°	16033.3	94.3
90°-120°	532.0	3.1
90°-150°	883.0	5.2
90°-180°	977.0	5.7
0°-180°	17010.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11126	
5°	11110	###
15°	10754	3020
25°	9494	4321
35°	5842	3624
45°	1809	1567
55°	859	831
65°	725	714
75°	551	577
85°	293	267
90°	177	101
95°	166	137
105°	171	181
115°	170	168
125°	162	146
135°	152	118
145°	139	87
155°	123	57
165°	102	29
175°	82	8
180°	82	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11126.5
2.5°	11108.6
5°	11109.8
7.5°	11070.4
10°	10986.8
12.5°	10892.4
15°	10753.8
17.5°	10526.8
20°	10217.4
22.5°	9870.9
25°	9494.5
27.5°	8991.6
30°	8201.8
32.5°	7087.2
35°	5842.2
37.5°	4636.8
40°	3555.5
42.5°	2590.2
45°	1808.8
47.5°	1395.4
50°	1297.5
52.5°	1025.1
55°	859.0
57.5°	802.9
60°	775.4
62.5°	752.7
65°	725.2
67.5°	690.6
70°	648.7
72.5°	602.1
75°	550.8
77.5°	493.4
80°	430.1
82.5°	364.4
85°	292.7
87.5°	221.0
90°	176.8
92.5°	163.7
95°	166.1
97.5°	168.5
100°	169.7
102.5°	170.8
105°	170.8
107.5°	170.8
110°	170.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	170.8
115°	169.7
117.5°	168.5
120°	167.3
122.5°	164.9
125°	162.5
127.5°	160.1
130°	157.7
132.5°	155.3
135°	151.7
137.5°	149.3
140°	145.8
142.5°	142.2
145°	138.6
147.5°	135.0
150°	131.4
152.5°	127.8
155°	123.1
157.5°	118.3
160°	112.3
162.5°	107.5
165°	101.6
167.5°	94.4
170°	88.4
172.5°	82.4
175°	82.4
177.5°	82.4
180°	82.4

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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	12.85	14.01	13.32	14.45	14.91	12.85	14.01	13.32	14.45	14.91
	3H	15.21	16.25	15.69	16.70	17.21	15.21	16.25	15.69	16.70	17.21
	4H	16.19	17.16	16.69	17.62	18.15	16.19	17.16	16.69	17.62	18.15
	6H	16.98	17.87	17.49	18.36	18.89	16.98	17.87	17.49	18.36	18.89
	8H	17.27	18.12	17.80	18.63	19.17	17.27	18.12	17.80	18.63	19.17
	12H	17.50	18.31	18.03	18.81	19.38	17.50	18.31	18.03	18.81	19.38
4H	2H	13.52	14.49	14.02	14.96	15.48	13.52	14.49	14.02	14.96	15.48
	3H	16.05	16.86	16.57	17.38	17.92	16.05	16.86	16.57	17.38	17.92
	4H	17.15	17.88	17.68	18.41	18.98	17.15	17.88	17.68	18.41	18.98
	6H	18.07	18.71	18.63	19.26	19.86	18.07	18.71	18.63	19.26	19.86
	8H	18.43	19.02	18.99	19.57	20.17	18.43	19.02	18.99	19.57	20.17
	12H	18.71	19.24	19.29	19.82	20.43	18.71	19.24	19.29	19.82	20.43
8H	4H	17.48	18.08	18.04	18.63	19.23	17.48	18.08	18.04	18.63	19.23
	6H	18.55	19.04	19.14	19.64	20.25	18.55	19.04	19.14	19.64	20.25
	8H	19.00	19.44	19.61	20.05	20.67	19.00	19.44	19.61	20.05	20.67
	12H	19.39	19.78	20.00	20.37	21.07	19.39	19.78	20.00	20.37	21.07
12H	4H	17.51	18.04	18.09	18.62	19.23	17.51	18.04	18.09	18.62	19.23
	6H	18.62	19.06	19.24	19.67	20.30	18.62	19.06	19.24	19.67	20.30
	8H	19.14	19.52	19.74	20.11	20.81	19.14	19.52	19.74	20.11	20.81