

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: P1221455

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L24_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221455
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

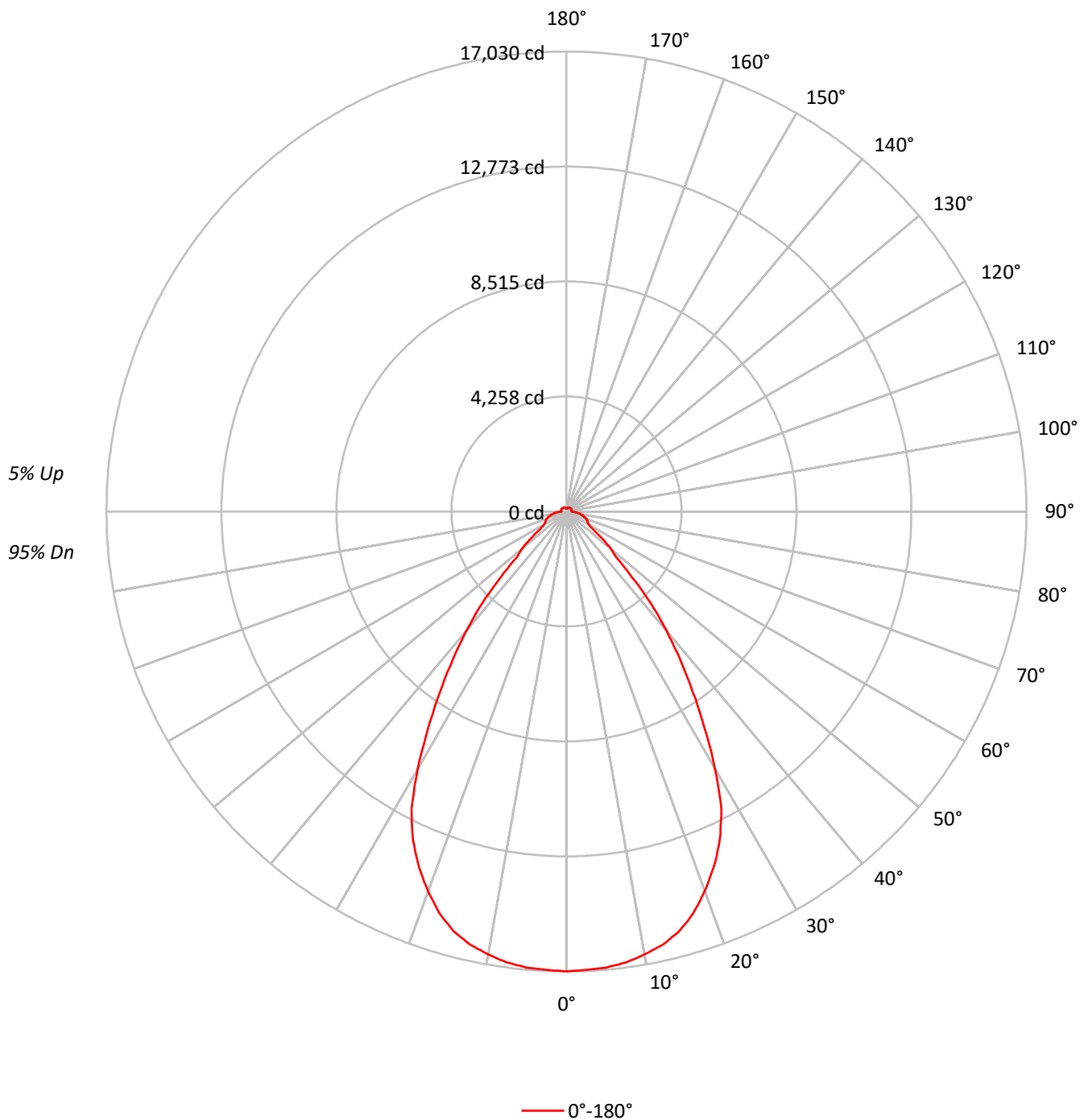
Lumens per Lamp: N/A
Luminaire Lumens: 24395.5 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 154.6
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	97	91	87	100	94	90	86	90	86	83	86	83	81	83	80	78	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	73	70	68		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	67	64	62		
5	84	74	67	62	82	73	66	61	71	65	60	68	63	59	66	62	58	57		
6	79	69	61	56	77	68	61	56	65	60	55	63	58	54	62	57	54	52		
7	75	64	56	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	66	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	43	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98199
5°	93353
10°	88406
15°	83091
20°	75706
25°	67157
30°	54797
35°	40712
40°	29015
45°	17600
50°	11221
55°	7096
60°	5401
65°	5211
70°	4958
75°	4525
80°	3897
85°	3021

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1608.8	6.6
10°-20°	4508.1	18.5
20°-30°	6092.4	25.0
30°-40°	5113.0	21.0
40°-50°	2756.6	11.3
50°-60°	1249.3	5.1
60°-70°	849.6	3.5
70°-80°	679.4	2.8
80°-90°	379.9	1.6
90°-100°	209.1	0.9
100°-110°	210.7	0.9
110°-120°	197.8	0.8
120°-130°	173.0	0.7
130°-140°	141.7	0.6
140°-150°	107.5	0.4
150°-160°	71.5	0.3
160°-170°	36.3	0.1
170°-180°	10.7	0.0
0°-30°	12209.3	50.0
0°-40°	17322.3	71.0
0°-60°	21328.2	87.4
0°-90°	23237.2	95.3
90°-120°	617.7	2.5
90°-150°	1039.9	4.3
90°-180°	1158.0	4.7
0°-180°	24395.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17030	
5°	16953	###
15°	16100	4508
25°	13435	6092
35°	8152	5113
45°	3421	2757
55°	1296	1249
65°	861	850
75°	646	679
85°	351	318
90°	186	113
95°	192	158
105°	200	211
115°	200	198
125°	193	173
135°	183	142
145°	171	108
155°	155	72
165°	127	36
175°	112	11
180°	110	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17029.8
2.5°	16986.8
5°	16953.2
7.5°	16843.7
10°	16656.0
12.5°	16434.6
15°	16100.4
17.5°	15609.7
20°	14964.1
22.5°	14257.0
25°	13434.6
27.5°	12420.2
30°	11009.4
32.5°	9534.7
35°	8152.5
37.5°	6901.6
40°	5746.7
42.5°	4621.3
45°	3420.9
47.5°	2473.9
50°	2122.9
52.5°	1734.0
55°	1295.5
57.5°	1055.6
60°	942.8
62.5°	894.0
65°	861.1
67.5°	818.2
70°	766.8
72.5°	710.4
75°	646.5
77.5°	579.1
80°	506.7
82.5°	431.8
85°	351.0
87.5°	265.2
90°	186.0
92.5°	189.4
95°	191.9
97.5°	194.4
100°	196.1
102.5°	198.7
105°	199.5
107.5°	200.3
110°	200.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	200.3
115°	199.5
117.5°	198.7
120°	197.0
122.5°	195.3
125°	192.8
127.5°	190.2
130°	188.6
132.5°	185.2
135°	182.7
137.5°	180.1
140°	177.6
142.5°	174.2
145°	170.9
147.5°	167.5
150°	164.1
152.5°	159.9
155°	154.9
157.5°	148.2
160°	140.6
162.5°	133.8
165°	127.1
167.5°	119.5
170°	112.8
172.5°	111.1
175°	112.0
177.5°	111.1
180°	110.3

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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	13.53	14.70	13.98	15.12	15.56	13.53	14.70	13.98	15.12	15.56
	3H	15.54	16.59	16.01	17.02	17.50	15.54	16.59	16.01	17.02	17.50
	4H	16.41	17.38	16.90	17.83	18.33	16.41	17.38	16.90	17.83	18.33
	6H	17.13	18.03	17.63	18.49	19.00	17.13	18.03	17.63	18.49	19.00
	8H	17.40	18.25	17.92	18.74	19.26	17.40	18.25	17.92	18.74	19.26
	12H	17.62	18.43	18.13	18.91	19.45	17.62	18.43	18.13	18.91	19.45
4H	2H	14.05	15.03	14.54	15.48	15.98	14.05	15.03	14.54	15.48	15.98
	3H	16.29	17.10	16.79	17.60	18.12	16.29	17.10	16.79	17.60	18.12
	4H	17.29	18.02	17.81	18.53	19.08	17.29	18.02	17.81	18.53	19.08
	6H	18.15	18.78	18.70	19.32	19.89	18.15	18.78	18.70	19.32	19.89
	8H	18.49	19.08	19.03	19.61	20.19	18.49	19.08	19.03	19.61	20.19
	12H	18.76	19.28	19.33	19.85	20.43	18.76	19.28	19.33	19.85	20.43
8H	4H	17.59	18.18	18.14	18.71	19.30	17.59	18.18	18.14	18.71	19.30
	6H	18.59	19.08	19.17	19.66	20.25	18.59	19.08	19.17	19.66	20.25
	8H	19.02	19.46	19.62	20.05	20.66	19.02	19.46	19.62	20.05	20.66
	12H	19.41	19.79	20.00	20.37	21.04	19.41	19.79	20.00	20.37	21.04
12H	4H	17.62	18.14	18.18	18.71	19.29	17.62	18.14	18.18	18.71	19.29
	6H	18.66	19.10	19.26	19.69	20.29	18.66	19.10	19.26	19.69	20.29
	8H	19.15	19.54	19.75	20.11	20.79	19.15	19.54	19.75	20.11	20.79

END OF REPORT