

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: P1221456

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L24_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221456
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

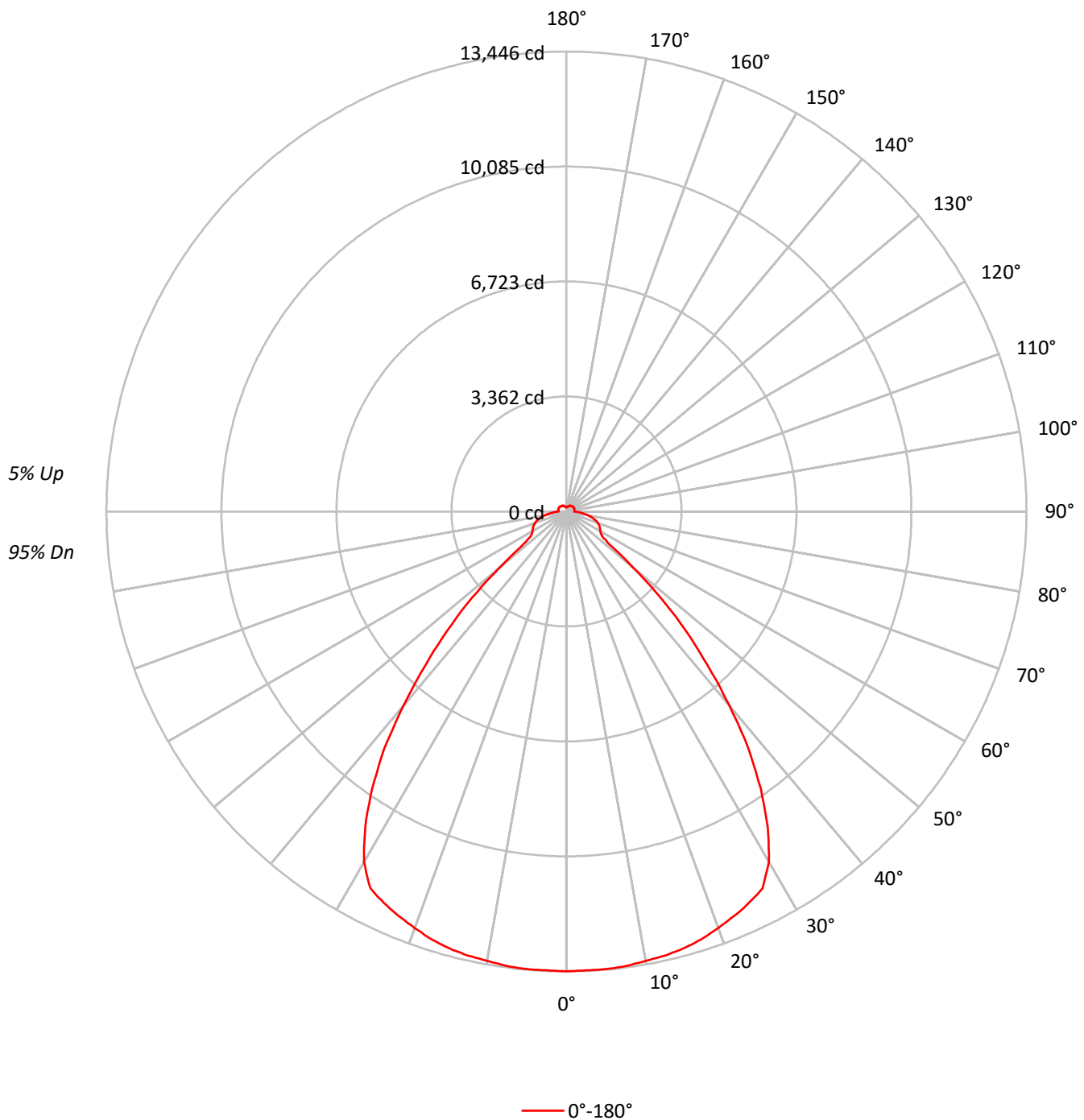
Lumens per Lamp: N/A
Luminaire Lumens: 25796.1 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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
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	95	90	85		99	93	88	84		89	84	81		85	81	78		81	78	76
3	95	86	79	74		92	84	78	73		81	75	71		77	73	69		74	71	68
4	88	78	71	65		86	77	70	65		74	68	63		71	66	62		68	64	61
5	82	72	64	58		80	70	63	58		68	62	57		65	60	56		63	58	55
6	77	66	58	53		75	64	57	52		62	56	51		60	55	51		58	53	50
7	72	60	53	48		70	59	52	47		57	51	47		56	50	46		54	49	45
8	68	56	48	43		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	39		50	43	39		48	43	39		47	42	38
10	60	48	41	36		58	47	41	36		46	40	36		45	39	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77531
5°	73955
10°	70807
15°	68268
20°	65592
25°	63134
30°	58903
35°	49435
40°	37303
45°	25353
50°	13437
55°	7022
60°	6553
65°	6500
70°	6298
75°	5809
80°	4888
85°	3666

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 25353 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1279.1	5.0
10°-20°	3735.8	14.5
20°-30°	5800.9	22.5
30°-40°	6102.7	23.7
40°-50°	3772.8	14.6
50°-60°	1313.2	5.1
60°-70°	1058.7	4.1
70°-80°	866.5	3.4
80°-90°	465.3	1.8
90°-100°	256.3	1.0
100°-110°	257.1	1.0
110°-120°	240.7	0.9
120°-130°	210.1	0.8
130°-140°	170.7	0.7
140°-150°	128.2	0.5
150°-160°	84.1	0.3
160°-170°	41.9	0.2
170°-180°	11.9	0.0
0°-30°	10815.8	41.9
0°-40°	16918.5	65.6
0°-60°	22004.5	85.3
0°-90°	24395.0	94.6
90°-120°	754.1	2.9
90°-150°	1263.2	4.9
90°-180°	1401.0	5.4
0°-180°	25796.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13446	
5°	13430	###
15°	13228	3736
25°	12630	5801
35°	9899	6103
45°	4928	3773
55°	1282	1313
65°	1074	1059
75°	830	866
85°	426	390
90°	228	138
95°	235	193
105°	243	257
115°	242	241
125°	234	210
135°	220	171
145°	204	128
155°	182	84
165°	146	42
175°	125	12
180°	122	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13445.5
2.5°	13425.3
5°	13430.4
7.5°	13402.6
10°	13340.3
12.5°	13297.4
15°	13228.3
17.5°	13113.9
20°	12964.9
22.5°	12800.7
25°	12629.8
27.5°	12415.2
30°	11834.4
32.5°	10952.2
35°	9899.2
37.5°	8740.9
40°	7388.2
42.5°	6106.2
45°	4927.7
47.5°	3749.2
50°	2542.1
52.5°	1583.4
55°	1282.0
57.5°	1191.1
60°	1144.0
62.5°	1107.8
65°	1074.1
67.5°	1029.5
70°	973.9
72.5°	909.1
75°	830.0
77.5°	737.4
80°	635.5
82.5°	531.2
85°	425.9
87.5°	319.0
90°	228.1
92.5°	232.3
95°	234.9
97.5°	238.2
100°	240.7
102.5°	242.4
105°	243.3
107.5°	244.1
110°	244.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	244.1
115°	242.4
117.5°	241.6
120°	239.1
122.5°	237.4
125°	234.0
127.5°	231.5
130°	228.1
132.5°	223.9
135°	220.5
137.5°	216.3
140°	212.1
142.5°	207.9
145°	204.5
147.5°	199.5
150°	194.4
152.5°	188.6
155°	181.8
157.5°	173.4
160°	164.1
162.5°	155.7
165°	146.5
167.5°	136.4
170°	127.1
172.5°	124.6
175°	124.6
177.5°	122.9
180°	122.1

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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	14.11	15.33	14.57	15.76	16.21	14.11	15.33	14.57	15.76	16.21
	3H	16.50	17.59	16.97	18.03	18.53	16.50	17.59	16.97	18.03	18.53
	4H	17.49	18.51	17.98	18.97	19.49	17.49	18.51	17.98	18.97	19.49
	6H	18.27	19.21	18.78	19.69	20.22	18.27	19.21	18.78	19.69	20.22
	8H	18.55	19.45	19.07	19.94	20.48	18.55	19.45	19.07	19.94	20.48
	12H	18.76	19.62	19.29	20.11	20.67	18.76	19.62	19.29	20.11	20.67
4H	2H	14.78	15.80	15.28	16.26	16.78	14.78	15.80	15.28	16.26	16.78
	3H	17.36	18.20	17.86	18.71	19.25	17.36	18.20	17.86	18.71	19.25
	4H	18.47	19.23	19.00	19.75	20.32	18.47	19.23	19.00	19.75	20.32
	6H	19.38	20.04	19.93	20.59	21.18	19.38	20.04	19.93	20.59	21.18
	8H	19.71	20.34	20.27	20.88	21.48	19.71	20.34	20.27	20.88	21.48
	12H	19.98	20.53	20.56	21.11	21.71	19.98	20.53	20.56	21.11	21.71
8H	4H	18.81	19.43	19.36	19.97	20.57	18.81	19.43	19.36	19.97	20.57
	6H	19.85	20.37	20.44	20.96	21.56	19.85	20.37	20.44	20.96	21.56
	8H	20.28	20.74	20.88	21.34	21.96	20.28	20.74	20.88	21.34	21.96
	12H	20.65	21.06	21.25	21.64	22.33	20.65	21.06	21.25	21.64	22.33
12H	4H	18.84	19.39	19.41	19.97	20.57	18.84	19.39	19.41	19.97	20.57
	6H	19.92	20.38	20.53	20.99	21.60	19.92	20.38	20.53	20.99	21.60
	8H	20.41	20.81	21.01	21.40	22.09	20.41	20.81	21.01	21.40	22.09