

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: P1221454

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (4000K_L24_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221454
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-31)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

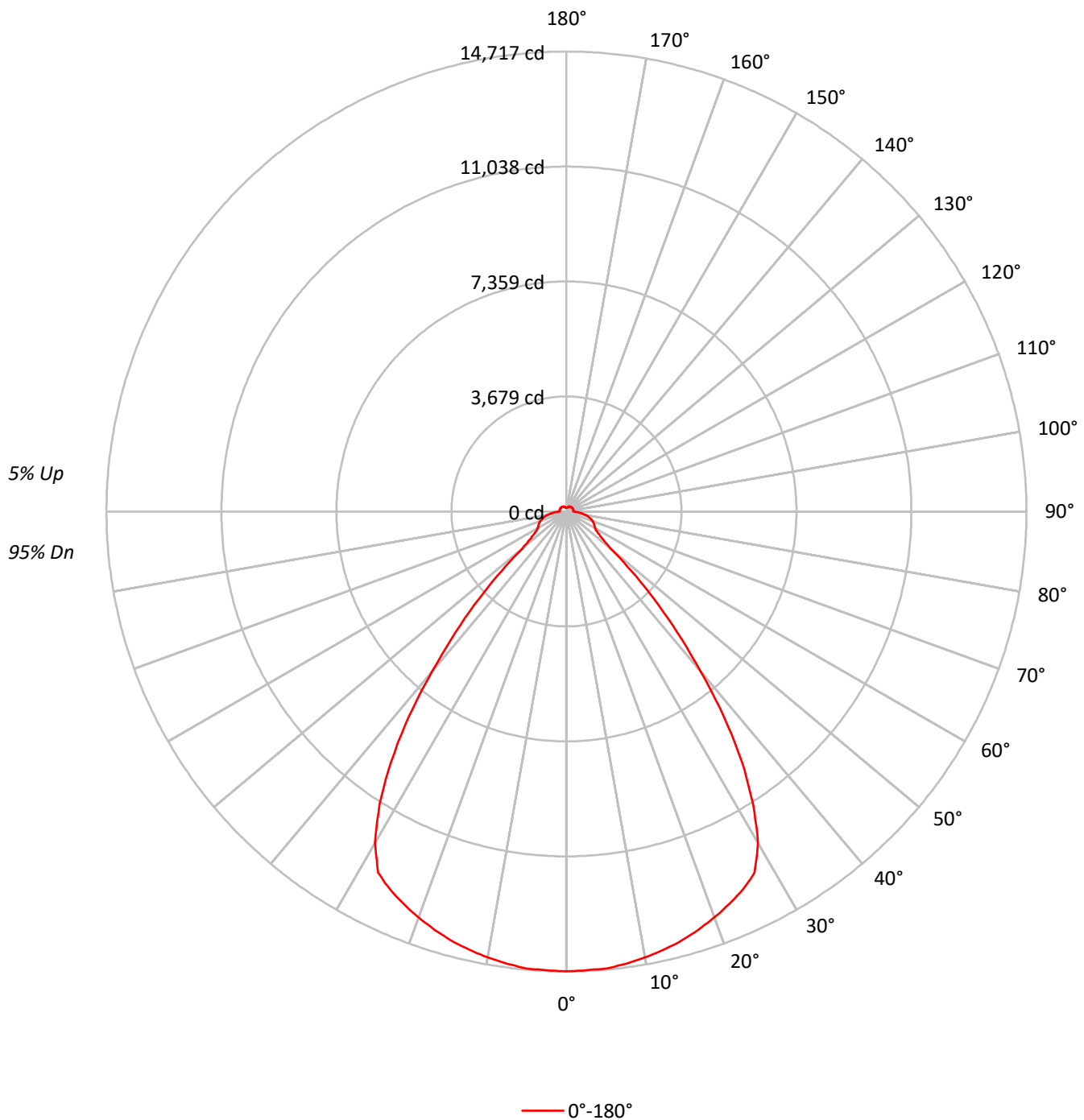
Lumens per Lamp: N/A
Luminaire Lumens: 25297.3 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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		115	115	115	115		108	108	108		103	103	103		97	97	97
1	110	106	103	100		107	103	100	97		98	96	93		94	92	90		89	88	86
2	102	96	90	86		99	94	89	85		89	85	82		85	82	79		82	79	77
3	95	87	81	75		93	85	79	74		82	77	73		78	74	71		75	72	69
4	89	79	72	67		87	78	71	66		75	69	65		72	67	64		70	66	62
5	83	73	66	60		81	72	65	60		69	63	59		67	62	58		64	60	57
6	78	67	60	54		76	66	59	54		64	58	53		62	56	52		60	55	52
7	73	62	55	49		71	61	54	49		59	53	48		57	52	48		56	51	47
8	69	57	50	45		67	57	50	45		55	49	44		53	48	44		52	47	43
9	65	53	46	42		63	53	46	41		51	45	41		50	44	40		49	44	40
10	61	50	43	38		60	49	43	38		48	42	38		47	41	37		46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84865
5°	80815
10°	76919
15°	73403
20°	69952
25°	66753
30°	60994
35°	48863
40°	33665
45°	20346
50°	9717
55°	6930
60°	6037
65°	5940
70°	5732
75°	5326
80°	4577
85°	3449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1394.7	5.5
10°-20°	4014.5	15.9
20°-30°	6116.9	24.2
30°-40°	6001.4	23.7
40°-50°	3100.4	12.3
50°-60°	1181.0	4.7
60°-70°	967.9	3.8
70°-80°	795.7	3.1
80°-90°	436.3	1.7
90°-100°	235.6	0.9
100°-110°	236.1	0.9
110°-120°	221.1	0.9
120°-130°	192.7	0.8
130°-140°	157.0	0.6
140°-150°	118.2	0.5
150°-160°	77.9	0.3
160°-170°	38.9	0.2
170°-180°	11.1	0.0
0°-30°	11526.1	45.6
0°-40°	17527.4	69.3
0°-60°	21808.8	86.2
0°-90°	24008.7	94.9
90°-120°	692.7	2.7
90°-150°	1160.6	4.6
90°-180°	1289.0	5.1
0°-180°	25297.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14717	
5°	14676	###
15°	14223	4014
25°	13354	6117
35°	9785	6001
45°	3955	3100
55°	1265	1181
65°	982	968
75°	761	796
85°	401	367
90°	210	128
95°	216	178
105°	224	236
115°	223	221
125°	215	193
135°	203	157
145°	188	118
155°	168	78
165°	136	39
175°	116	11
180°	115	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14717.4
2.5°	14693.9
5°	14676.2
7.5°	14601.3
10°	14491.8
12.5°	14364.7
15°	14223.3
17.5°	14035.6
20°	13826.8
22.5°	13600.4
25°	13353.8
27.5°	13029.7
30°	12254.4
32.5°	11120.6
35°	9784.7
37.5°	8284.7
40°	6667.6
42.5°	5245.0
45°	3954.6
47.5°	2825.0
50°	1838.4
52.5°	1459.6
55°	1265.2
57.5°	1122.9
60°	1053.9
62.5°	1014.3
65°	981.5
67.5°	938.6
70°	886.4
72.5°	827.5
75°	761.0
77.5°	683.5
80°	595.1
82.5°	500.0
85°	400.7
87.5°	298.0
90°	210.4
92.5°	213.0
95°	216.3
97.5°	218.9
100°	220.5
102.5°	222.2
105°	223.9
107.5°	223.9
110°	224.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	223.9
115°	223.1
117.5°	221.4
120°	219.7
122.5°	217.2
125°	214.7
127.5°	212.1
130°	209.6
132.5°	205.4
135°	202.9
137.5°	199.5
140°	195.3
142.5°	191.9
145°	187.7
147.5°	184.3
150°	180.1
152.5°	174.2
155°	168.4
157.5°	160.8
160°	153.2
162.5°	143.9
165°	135.5
167.5°	127.1
170°	118.7
172.5°	116.2
175°	116.2
177.5°	115.3
180°	115.3

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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	13.82	15.01	14.28	15.43	15.87	13.82	15.01	14.28	15.43	15.87
	3H	16.09	17.14	16.56	17.58	18.07	16.09	17.14	16.56	17.58	18.07
	4H	17.05	18.04	17.55	18.50	19.01	17.05	18.04	17.55	18.50	19.01
	6H	17.85	18.76	18.35	19.23	19.75	17.85	18.76	18.35	19.23	19.75
	8H	18.14	19.00	18.65	19.49	20.02	18.14	19.00	18.65	19.49	20.02
	12H	18.35	19.18	18.88	19.67	20.22	18.35	19.18	18.88	19.67	20.22
4H	2H	14.44	15.43	14.93	15.88	16.39	14.44	15.43	14.93	15.88	16.39
	3H	16.91	17.73	17.41	18.23	18.76	16.91	17.73	17.41	18.23	18.76
	4H	18.00	18.75	18.53	19.26	19.82	18.00	18.75	18.53	19.26	19.82
	6H	18.93	19.58	19.48	20.12	20.70	18.93	19.58	19.48	20.12	20.70
	8H	19.28	19.88	19.83	20.42	21.01	19.28	19.88	19.83	20.42	21.01
	12H	19.55	20.09	20.13	20.66	21.25	19.55	20.09	20.13	20.66	21.25
8H	4H	18.34	18.94	18.89	19.48	20.07	18.34	18.94	18.89	19.48	20.07
	6H	19.41	19.90	19.99	20.49	21.08	19.41	19.90	19.99	20.49	21.08
	8H	19.85	20.29	20.45	20.89	21.50	19.85	20.29	20.45	20.89	21.50
	12H	20.23	20.62	20.83	21.20	21.89	20.23	20.62	20.83	21.20	21.89
12H	4H	18.37	18.90	18.94	19.48	20.07	18.37	18.90	18.94	19.48	20.07
	6H	19.48	19.92	20.08	20.52	21.13	19.48	19.92	20.08	20.52	21.13
	8H	19.98	20.37	20.58	20.95	21.64	19.98	20.37	20.58	20.95	21.64