

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: P1221466

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221466
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 (5000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

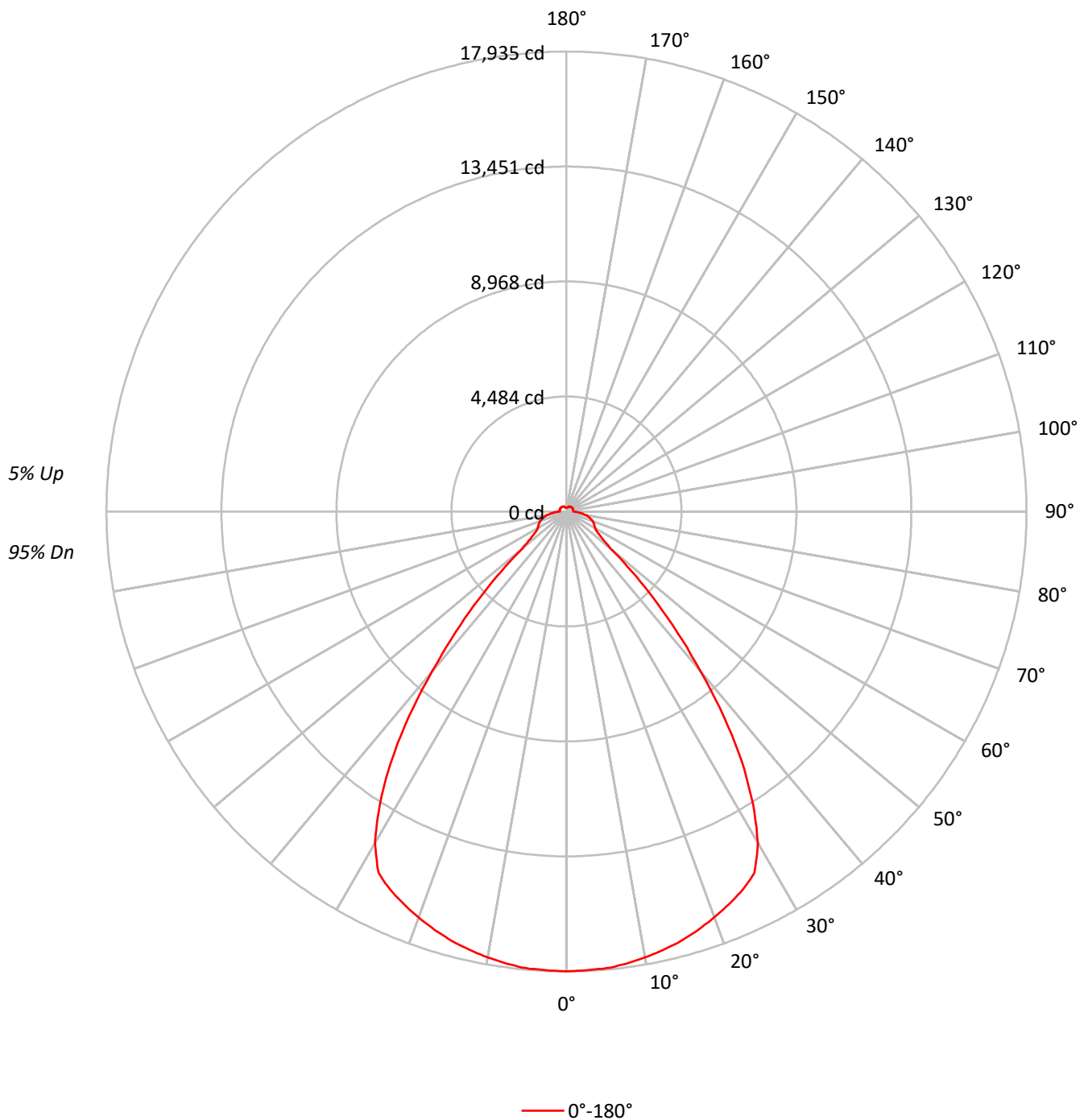
Lumens per Lamp: N/A
Luminaire Lumens: 30827.1 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	103	100	107	103	100	97	98	96	93	94	92	90	89	88	86	86	86	86	86	86			
2	102	96	90	86	99	94	89	85	89	85	82	85	82	79	82	79	77	77	77	77	77	77			
3	95	87	81	75	93	85	79	74	82	77	73	78	74	71	75	72	69	69	69	69	69	69			
4	89	79	72	67	87	78	71	66	75	69	65	72	67	64	70	66	62	62	62	62	62	62			
5	83	73	66	60	81	72	65	60	69	63	59	67	62	58	64	60	57	57	57	57	57	57			
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	52	52	52	52	52			
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	47	47	47	47	47			
8	69	57	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	43	43	43	43	43			
9	65	53	46	42	63	53	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	40			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103417
5°	98480
10°	93734
15°	89449
20°	85244
25°	81345
30°	74327
35°	59544
40°	41024
45°	24794
50°	11842
55°	8444
60°	7357
65°	7238
70°	6984
75°	6490
80°	5577
85°	4203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24794 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1699.6	5.5
10°-20°	4892.0	15.9
20°-30°	7454.0	24.2
30°-40°	7313.2	23.7
40°-50°	3778.2	12.3
50°-60°	1439.1	4.7
60°-70°	1179.5	3.8
70°-80°	969.6	3.1
80°-90°	531.7	1.7
90°-100°	287.0	0.9
100°-110°	287.7	0.9
110°-120°	269.4	0.9
120°-130°	234.8	0.8
130°-140°	191.3	0.6
140°-150°	144.1	0.5
150°-160°	94.9	0.3
160°-170°	47.4	0.2
170°-180°	13.6	0.0
0°-30°	14045.6	45.6
0°-40°	21358.8	69.3
0°-60°	26576.1	86.2
0°-90°	29256.8	94.9
90°-120°	844.1	2.7
90°-150°	1414.3	4.6
90°-180°	1570.0	5.1
0°-180°	30827.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17935	
5°	17884	###
15°	17332	4892
25°	16273	7454
35°	11924	7313
45°	4819	3778
55°	1542	1439
65°	1196	1179
75°	927	970
85°	488	447
90°	256	156
95°	264	216
105°	273	288
115°	272	269
125°	262	235
135°	247	191
145°	229	144
155°	205	95
165°	165	47
175°	142	14
180°	140	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17934.6
2.5°	17905.8
5°	17884.3
7.5°	17793.0
10°	17659.7
12.5°	17504.8
15°	17332.4
17.5°	17103.7
20°	16849.3
22.5°	16573.4
25°	16272.8
27.5°	15877.9
30°	14933.2
32.5°	13551.4
35°	11923.5
37.5°	10095.6
40°	8125.1
42.5°	6391.6
45°	4819.1
47.5°	3442.5
50°	2240.3
52.5°	1778.7
55°	1541.7
57.5°	1368.4
60°	1284.3
62.5°	1236.1
65°	1196.0
67.5°	1143.7
70°	1080.1
72.5°	1008.3
75°	927.3
77.5°	832.9
80°	725.2
82.5°	609.3
85°	488.3
87.5°	363.1
90°	256.4
92.5°	259.5
95°	263.6
97.5°	266.7
100°	268.8
102.5°	270.8
105°	272.9
107.5°	272.9
110°	273.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	272.9
115°	271.8
117.5°	269.8
120°	267.7
122.5°	264.6
125°	261.6
127.5°	258.5
130°	255.4
132.5°	250.3
135°	247.2
137.5°	243.1
140°	238.0
142.5°	233.9
145°	228.7
147.5°	224.6
150°	219.5
152.5°	212.3
155°	205.2
157.5°	195.9
160°	186.7
162.5°	175.4
165°	165.1
167.5°	154.9
170°	144.6
172.5°	141.6
175°	141.6
177.5°	140.5
180°	140.5

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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	14.51	15.69	14.96	16.11	16.56	14.51	15.69	14.96	16.11	16.56
	3H	16.77	17.83	17.24	18.27	18.76	16.77	17.83	17.24	18.27	18.76
	4H	17.74	18.73	18.23	19.19	19.69	17.74	18.73	18.23	19.19	19.69
	6H	18.53	19.44	19.04	19.92	20.44	18.53	19.44	19.04	19.92	20.44
	8H	18.82	19.69	19.34	20.18	20.71	18.82	19.69	19.34	20.18	20.71
	12H	19.04	19.87	19.56	20.35	20.91	19.04	19.87	19.56	20.35	20.91
4H	2H	15.13	16.12	15.62	16.57	17.08	15.13	16.12	15.62	16.57	17.08
	3H	17.60	18.42	18.10	18.92	19.45	17.60	18.42	18.10	18.92	19.45
	4H	18.69	19.43	19.21	19.95	20.51	18.69	19.43	19.21	19.95	20.51
	6H	19.62	20.26	20.17	20.80	21.39	19.62	20.26	20.17	20.80	21.39
	8H	19.96	20.57	20.52	21.11	21.70	19.96	20.57	20.52	21.11	21.70
	12H	20.24	20.78	20.81	21.35	21.94	20.24	20.78	20.81	21.35	21.94
8H	4H	19.02	19.63	19.58	20.17	20.75	19.02	19.63	19.58	20.17	20.75
	6H	20.09	20.59	20.68	21.17	21.77	20.09	20.59	20.68	21.17	21.77
	8H	20.53	20.98	21.14	21.58	22.19	20.53	20.98	21.14	21.58	22.19
	12H	20.91	21.31	21.51	21.89	22.57	20.91	21.31	21.51	21.89	22.57
12H	4H	19.06	19.59	19.63	20.16	20.75	19.06	19.59	19.63	20.16	20.75
	6H	20.16	20.61	20.77	21.21	21.82	20.16	20.61	20.77	21.21	21.82
	8H	20.67	21.06	21.26	21.64	22.32	20.67	21.06	21.26	21.64	22.32