

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: P1221441

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (3000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221441
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 (3000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

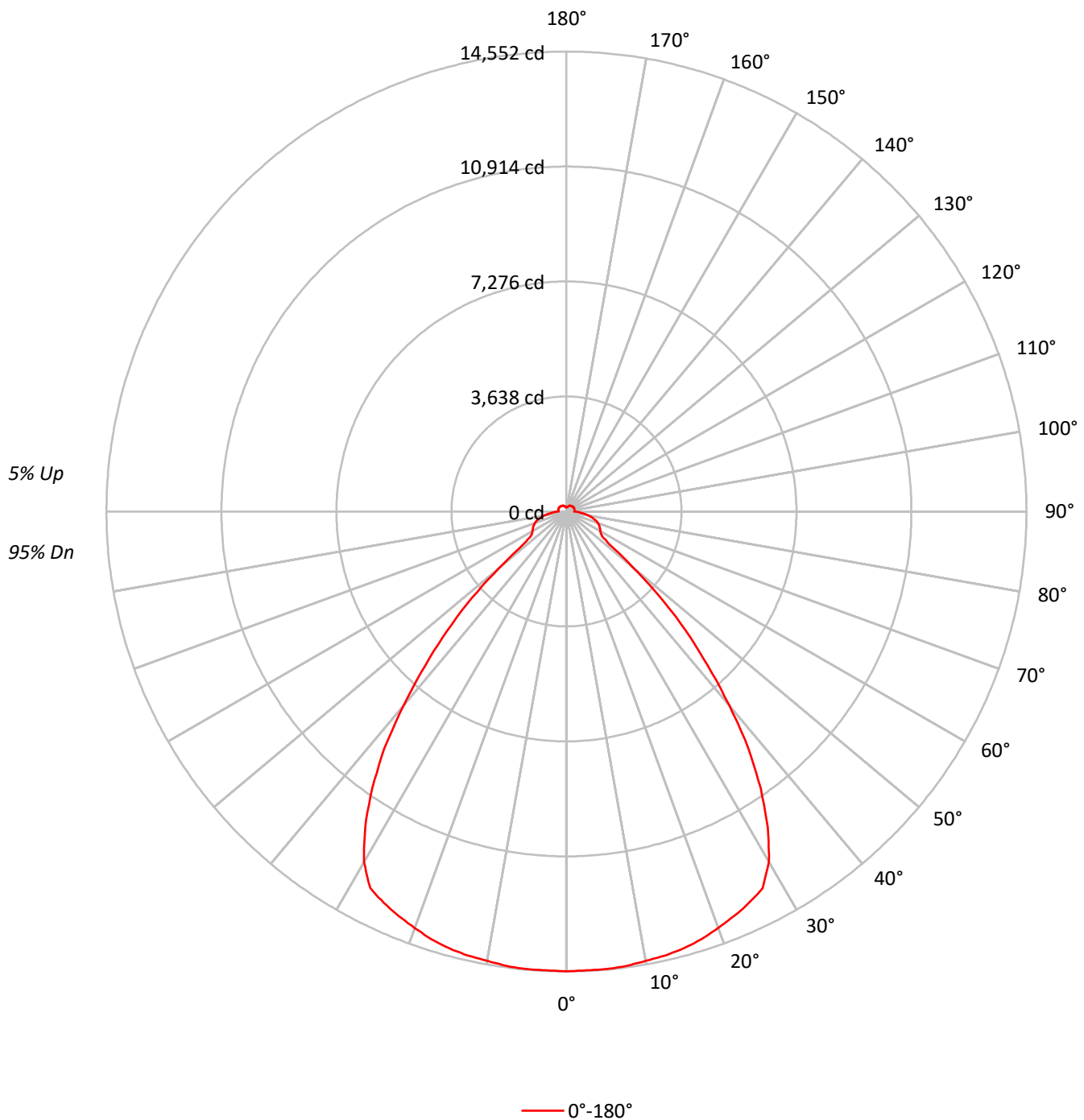
Lumens per Lamp: N/A
Luminaire Lumens: 27918.1 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 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	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	90	85	99	93	88	84	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	53	75	64	57	52	62	56	51	60	55	51	58	53	50	50	50	50	50	48			
7	72	60	53	48	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	44			
8	68	56	48	43	66	55	48	43	53	47	43	52	46	42	50	45	41	41	41	41	41	40			
9	64	52	45	40	62	51	44	39	50	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83909
5°	80038
10°	76632
15°	73884
20°	70987
25°	68327
30°	63748
35°	53501
40°	40371
45°	27438
50°	14542
55°	7600
60°	7092
65°	7035
70°	6816
75°	6287
80°	5290
85°	3968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27438 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1384.3	5.0
10°-20°	4043.1	14.5
20°-30°	6278.0	22.5
30°-40°	6604.6	23.7
40°-50°	4083.2	14.6
50°-60°	1421.2	5.1
60°-70°	1145.7	4.1
70°-80°	937.8	3.4
80°-90°	503.6	1.8
90°-100°	277.4	1.0
100°-110°	278.3	1.0
110°-120°	260.5	0.9
120°-130°	227.4	0.8
130°-140°	184.8	0.7
140°-150°	138.8	0.5
150°-160°	91.0	0.3
160°-170°	45.4	0.2
170°-180°	12.9	0.0
0°-30°	11705.5	41.9
0°-40°	18310.1	65.6
0°-60°	23814.5	85.3
0°-90°	26401.6	94.6
90°-120°	816.2	2.9
90°-150°	1367.2	4.9
90°-180°	1516.0	5.4
0°-180°	27918.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14552	
5°	14535	###
15°	14316	4043
25°	13669	6278
35°	10713	6605
45°	5333	4083
55°	1388	1421
65°	1162	1146
75°	898	938
85°	461	422
90°	247	149
95°	254	209
105°	263	278
115°	262	260
125°	253	227
135°	239	185
145°	221	139
155°	197	91
165°	158	45
175°	135	13
180°	132	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14551.5
2.5°	14529.6
5°	14535.1
7.5°	14505.0
10°	14437.6
12.5°	14391.2
15°	14316.5
17.5°	14192.6
20°	14031.3
22.5°	13853.7
25°	13668.7
27.5°	13436.4
30°	12807.8
32.5°	11853.1
35°	10713.4
37.5°	9459.9
40°	7995.9
42.5°	6608.4
45°	5333.0
47.5°	4057.6
50°	2751.2
52.5°	1713.6
55°	1387.5
57.5°	1289.1
60°	1238.1
62.5°	1198.9
65°	1162.4
67.5°	1114.2
70°	1054.0
72.5°	983.9
75°	898.3
77.5°	798.0
80°	687.8
82.5°	574.8
85°	461.0
87.5°	345.3
90°	246.9
92.5°	251.4
95°	254.2
97.5°	257.8
100°	260.5
102.5°	262.4
105°	263.3
107.5°	264.2
110°	264.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	264.2
115°	262.4
117.5°	261.5
120°	258.7
122.5°	256.9
125°	253.3
127.5°	250.5
130°	246.9
132.5°	242.3
135°	238.7
137.5°	234.1
140°	229.6
142.5°	225.0
145°	221.4
147.5°	215.9
150°	210.4
152.5°	204.1
155°	196.8
157.5°	187.7
160°	177.6
162.5°	168.5
165°	158.5
167.5°	147.6
170°	137.6
172.5°	134.8
175°	134.8
177.5°	133.0
180°	132.1

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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	14.38	15.60	14.84	16.03	16.49	14.38	15.60	14.84	16.03	16.49
	3H	16.77	17.86	17.25	18.30	18.80	16.77	17.86	17.25	18.30	18.80
	4H	17.76	18.78	18.26	19.24	19.76	17.76	18.78	18.26	19.24	19.76
	6H	18.55	19.49	19.05	19.96	20.49	18.55	19.49	19.05	19.96	20.49
	8H	18.83	19.72	19.35	20.22	20.75	18.83	19.72	19.35	20.22	20.75
	12H	19.04	19.89	19.56	20.38	20.94	19.04	19.89	19.56	20.38	20.94
4H	2H	15.06	16.08	15.55	16.54	17.05	15.06	16.08	15.55	16.54	17.05
	3H	17.63	18.48	18.14	18.99	19.52	17.63	18.48	18.14	18.99	19.52
	4H	18.74	19.51	19.27	20.03	20.60	18.74	19.51	19.27	20.03	20.60
	6H	19.65	20.32	20.21	20.86	21.45	19.65	20.32	20.21	20.86	21.45
	8H	19.99	20.61	20.55	21.15	21.75	19.99	20.61	20.55	21.15	21.75
	12H	20.26	20.81	20.83	21.39	21.98	20.26	20.81	20.83	21.39	21.98
8H	4H	19.08	19.70	19.64	20.25	20.84	19.08	19.70	19.64	20.25	20.84
	6H	20.13	20.64	20.72	21.23	21.83	20.13	20.64	20.72	21.23	21.83
	8H	20.55	21.01	21.16	21.62	22.23	20.55	21.01	21.16	21.62	22.23
	12H	20.92	21.33	21.52	21.92	22.61	20.92	21.33	21.52	21.92	22.61
12H	4H	19.11	19.67	19.69	20.24	20.84	19.11	19.67	19.69	20.24	20.84
	6H	20.19	20.66	20.80	21.26	21.88	20.19	20.66	20.80	21.26	21.88
	8H	20.68	21.09	21.28	21.68	22.37	20.68	21.09	21.28	21.68	22.37