

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: P735771

Luminaire Tested: PRLX-UHBS-2436-MV-L84050-BLAK(4000K_L36_347V)

Issue Date: 1/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P735771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-243-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS-2436-MV-L84050-BLAK(4000K_L36_347V)
Description: PRENTALUX LARGE HIGH BAY LUMINAIRE WITH BLACK SHADE
LIGHT LEVEL 3 - 36,0000 NOMINAL LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

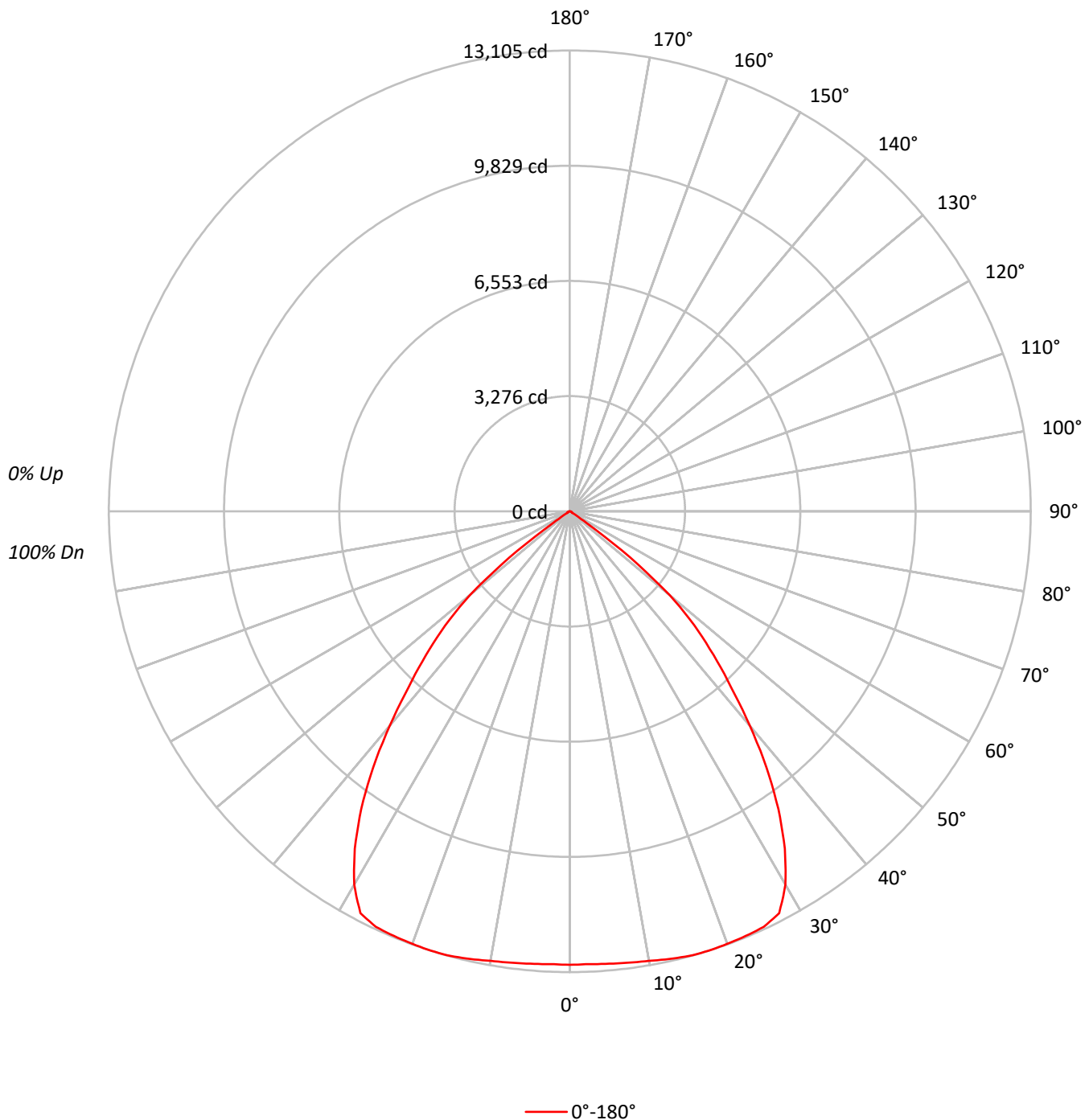
Lumens per Lamp: N/A
Luminaire Lumens: 22897.5 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.23
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 1.04')
CIE Type: Direct

Input Watts (W): 230.4
Input Voltage (V): 347
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91								
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83								
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75								
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67								
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61								
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	61	57	55								
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50								
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46								
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42								
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60563
5°	57014
10°	54453
15°	52695
20°	51000
25°	49602
30°	45913
35°	38378
40°	29541
45°	21592
50°	14044
55°	2249
60°	284
65°	253
70°	241
75°	208
80°	149
85°	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21592 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1235.0	5.4
10°-20°	3706.1	16.2
20°-30°	5970.7	26.1
30°-40°	6388.2	27.9
40°-50°	4446.7	19.4
50°-60°	1028.4	4.5
60°-70°	60.7	0.3
70°-80°	46.2	0.2
80°-90°	15.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10911.8	47.7
0°-40°	17300.0	75.6
0°-60°	22775.1	99.5
0°-90°	22897.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22897.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12896	
5°	12916	###
15°	13093	3706
25°	13038	5971
35°	10334	6388
45°	5775	4447
55°	579	1028
65°	61	61
75°	45	46
85°	14	16
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12896.5
2.5°	12887.4
5°	12916.0
7.5°	12945.7
10°	12982.4
12.5°	13039.6
15°	13093.4
17.5°	13104.9
20°	13088.8
22.5°	13071.7
25°	13038.5
27.5°	12887.4
30°	12262.3
32.5°	11377.5
35°	10333.5
37.5°	9192.2
40°	7958.2
42.5°	6783.7
45°	5775.2
47.5°	4804.4
50°	3700.9
52.5°	2169.3
55°	579.2
57.5°	98.4
60°	71.0
62.5°	64.1
65°	60.7
67.5°	57.2
70°	54.9
72.5°	50.4
75°	44.6
77.5°	37.8
80°	29.8
82.5°	21.7
85°	13.7
87.5°	6.9
90°	0.0

(END OF REPORT)