

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684344

Luminaire Tested: **LX6C05D010 EX6C059035 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6C059035 6LBSH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

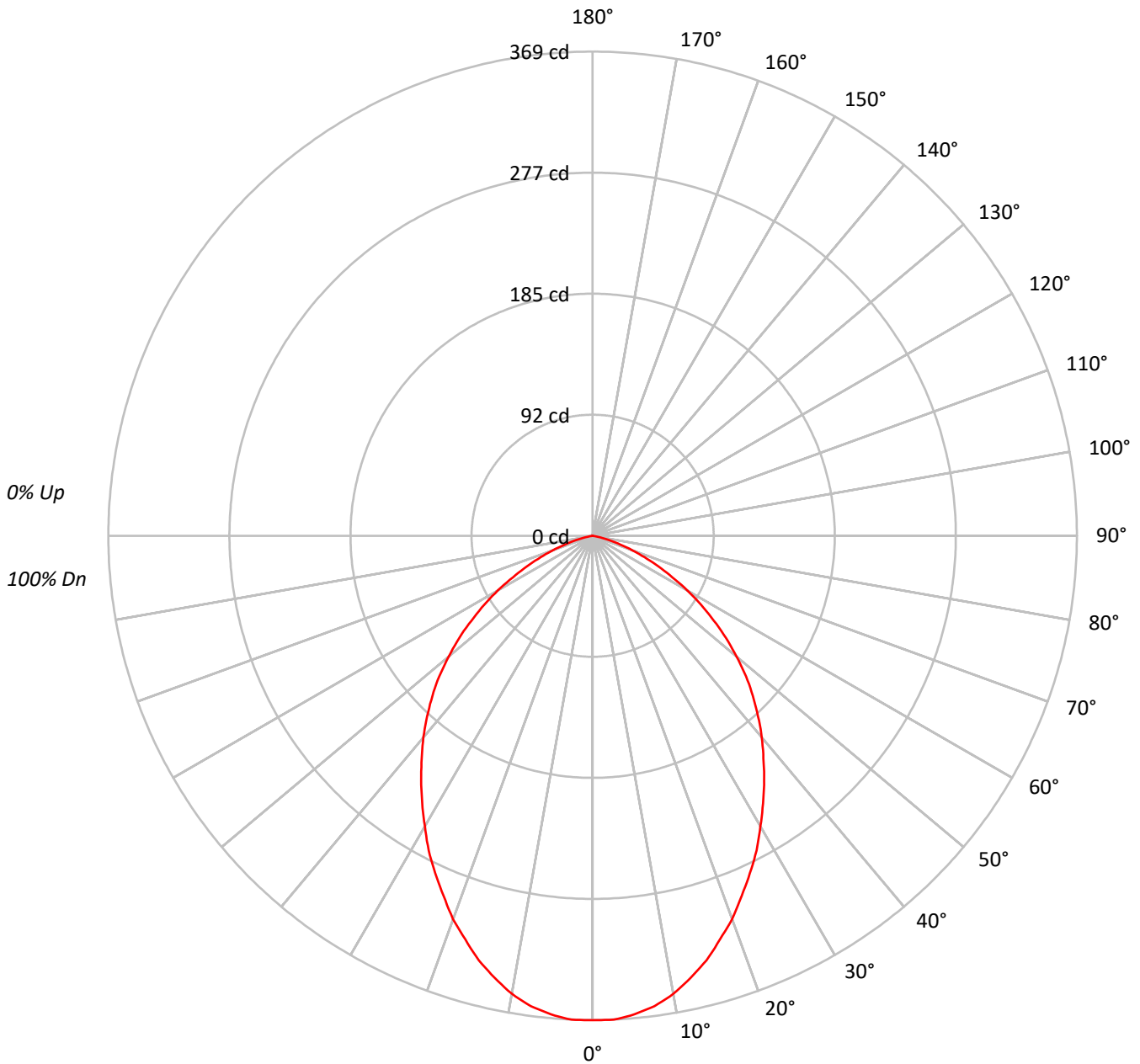
Lumens per Lamp: N/A
Luminaire Lumens: 706.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V):
Input Current (A_{in}): 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: 25 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20240
5°	20146
10°	19734
15°	19013
20°	18137
25°	17160
30°	16186
35°	15245
40°	14355
45°	13381
50°	12196
55°	10771
60°	9122
65°	7160
70°	5113
75°	2796
80°	505
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	4.9
10°-20°	94.0	13.3
20°-30°	130.5	18.5
30°-40°	142.5	20.2
40°-50°	132.9	18.8
50°-60°	100.9	14.3
60°-70°	55.2	7.8
70°-80°	15.2	2.2
80°-90°	0.2	0.0
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°	259.1	36.7
0°-40°	401.6	56.9
0°-60°	635.4	90.0
0°-90°	706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	369	
5°	366	35
15°	335	94
25°	284	131
35°	228	142
45°	173	133
55°	113	101
65°	55	55
75°	13	15
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	369.2
2.5°	369.2
5°	366.1
7.5°	361.5
10°	354.5
12.5°	345.1
15°	335.0
17.5°	322.6
20°	310.9
22.5°	296.9
25°	283.7
27.5°	270.5
30°	255.7
32.5°	241.7
35°	227.8
37.5°	213.8
40°	200.6
42.5°	186.6
45°	172.6
47.5°	158.6
50°	143.0
52.5°	128.3
55°	112.7
57.5°	97.9
60°	83.2
62.5°	68.4
65°	55.2
67.5°	42.7
70°	31.9
72.5°	21.8
75°	13.2
77.5°	6.2
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)