

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: P684317

Luminaire Tested: **LX6C45D010 EX6C459050 6LBMH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C45D010 EX6C459050 6LBMH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

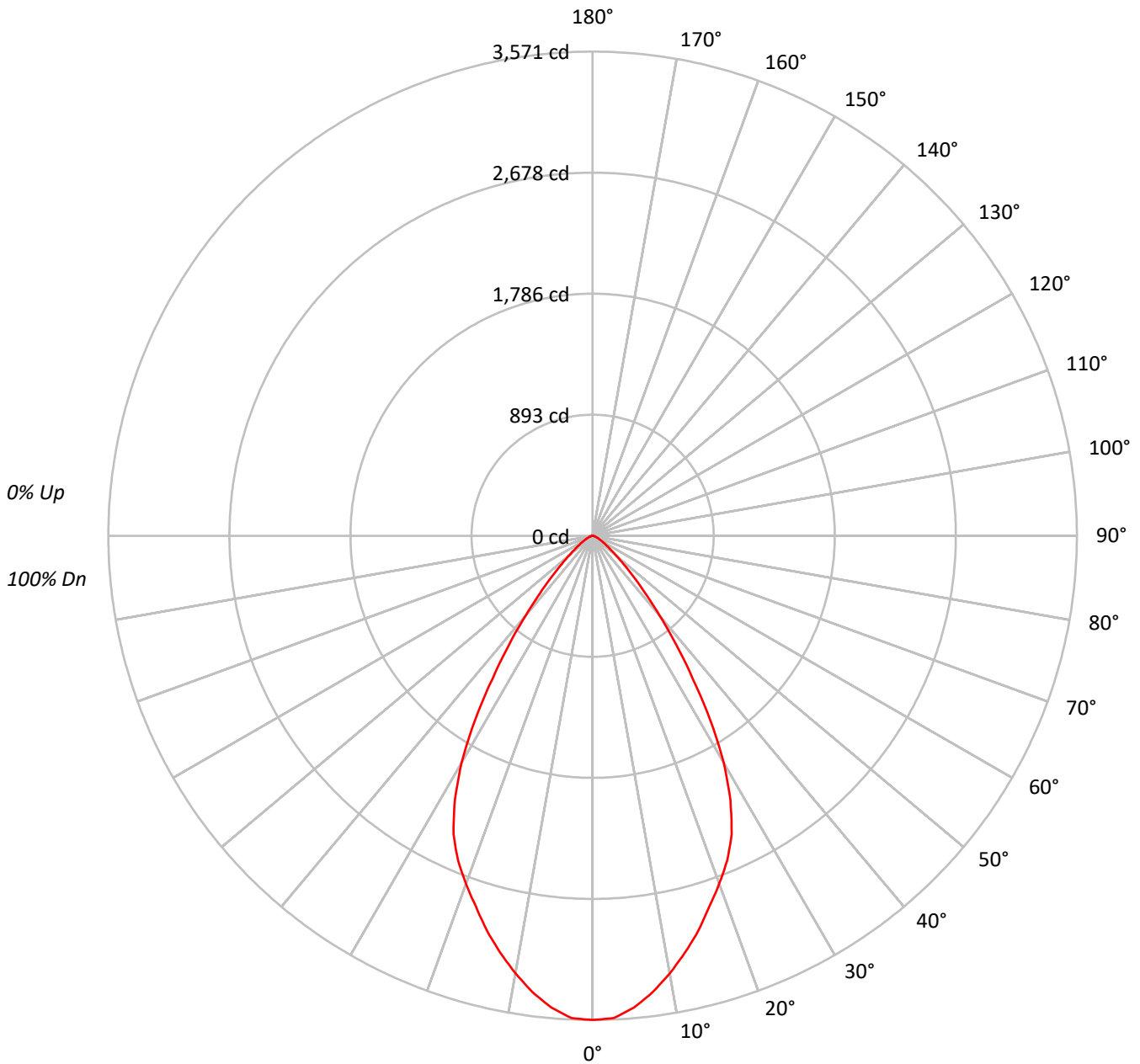
Lumens per Lamp: N/A
Luminaire Lumens: 3608.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195746
5°	192240
10°	182417
15°	171062
20°	159311
25°	146785
30°	122310
35°	86204
40°	54939
45°	32763
50°	19343
55°	12301
60°	8475
65°	6019
70°	4135
75°	3283
80°	1610
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.5	9.0
10°-20°	844.6	23.4
20°-30°	1094.4	30.3
30°-40°	812.5	22.5
40°-50°	343.0	9.5
50°-60°	121.8	3.4
60°-70°	47.0	1.3
70°-80°	16.3	0.5
80°-90°	2.1	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°	2265.4	62.8
0°-40°	3077.9	85.3
0°-60°	3542.7	98.2
0°-90°	3608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3608.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3571	
5°	3493	326
15°	3014	845
25°	2427	1094
35°	1288	812
45°	423	343
55°	129	122
65°	46	47
75°	16	16
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3570.7
2.5°	3560.3
5°	3493.4
7.5°	3395.4
10°	3277.0
12.5°	3148.1
15°	3014.1
17.5°	2864.8
20°	2730.8
22.5°	2591.7
25°	2426.7
27.5°	2200.0
30°	1932.2
32.5°	1617.8
35°	1288.1
37.5°	1009.9
40°	767.7
42.5°	571.9
45°	422.6
47.5°	309.1
50°	226.8
52.5°	170.0
55°	128.7
57.5°	97.8
60°	77.3
62.5°	56.7
65°	46.4
67.5°	36.0
70°	25.8
72.5°	20.5
75°	15.5
77.5°	10.4
80°	5.1
82.5°	5.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)