

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: P684298

Luminaire Tested: **LX6C45D010 EX6C459030 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684298  
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: LX6C45D010 EX6C459030 6LBSH  
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

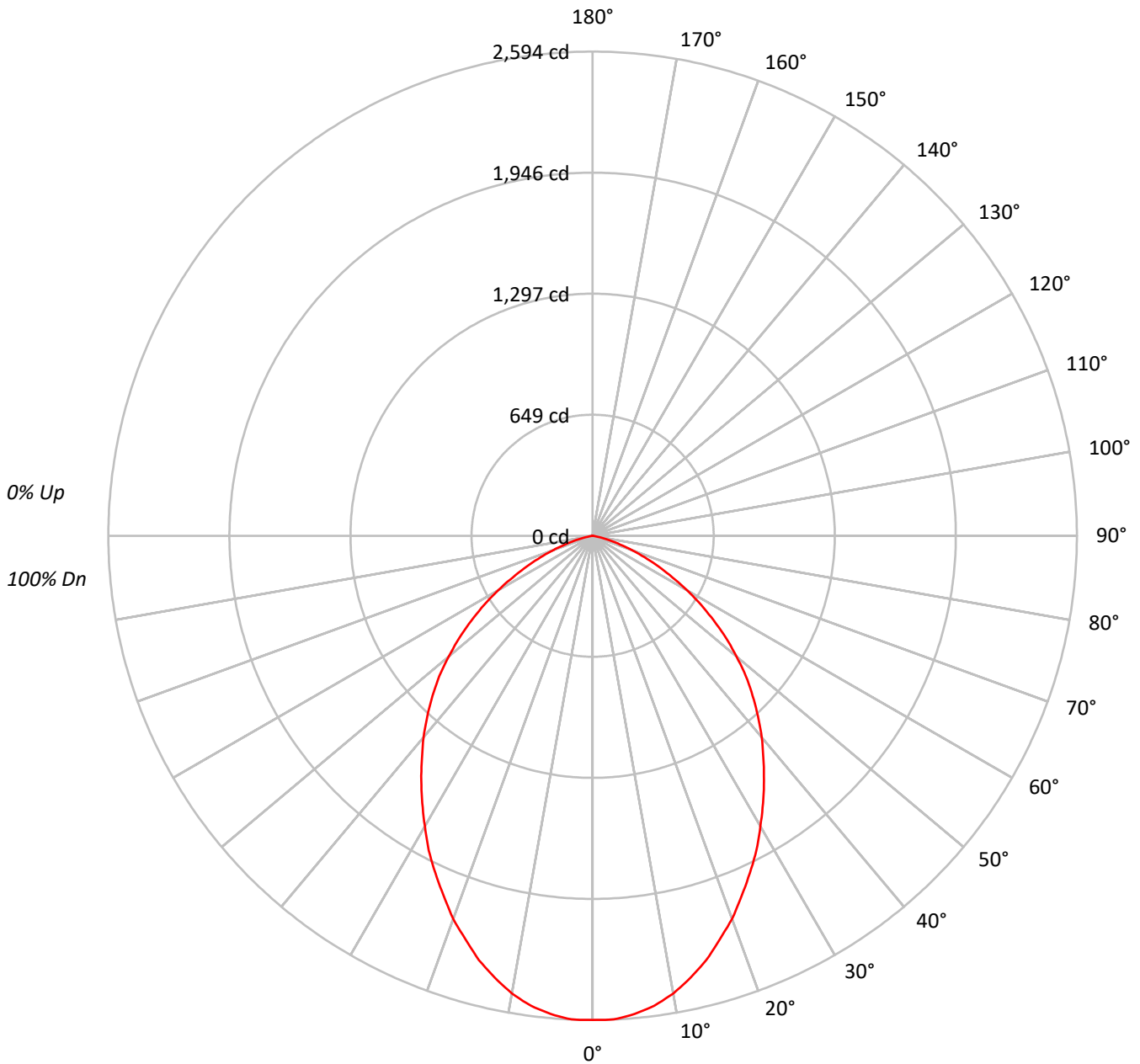
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4960.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 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): 49.6  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	142209
5°	141547
10°	138625
15°	133582
20°	127440
25°	120569
30°	113733
35°	107090
40°	100832
45°	93994
50°	85703
55°	75687
60°	64063
65°	50304
70°	35887
75°	19656
80°	3473
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.0	4.9
10°-20°	660.4	13.3
20°-30°	917.2	18.5
30°-40°	1000.9	20.2
40°-50°	933.6	18.8
50°-60°	708.7	14.3
60°-70°	388.0	7.8
70°-80°	106.8	2.2
80°-90°	1.5	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°	1820.6	36.7
0°-40°	2821.4	56.9
0°-60°	4463.7	90.0
0°-90°	4960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2594	
5°	2572	243
15°	2354	660
25°	1993	917
35°	1600	1001
45°	1212	934
55°	792	709
65°	388	388
75°	93	107
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2594.1
2.5°	2594.1
5°	2572.2
7.5°	2539.4
10°	2490.3
12.5°	2424.7
15°	2353.7
17.5°	2266.4
20°	2184.5
22.5°	2086.2
25°	1993.3
27.5°	1900.5
30°	1796.7
32.5°	1698.4
35°	1600.2
37.5°	1501.8
40°	1409.0
42.5°	1310.7
45°	1212.4
47.5°	1114.0
50°	1004.9
52.5°	901.1
55°	791.9
57.5°	688.1
60°	584.3
62.5°	480.6
65°	387.8
67.5°	300.3
70°	223.9
72.5°	152.9
75°	92.8
77.5°	43.7
80°	11.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)