

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: P563951

Luminaire Tested: **LX6C45D010 EX6C459030 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P563951  
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, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

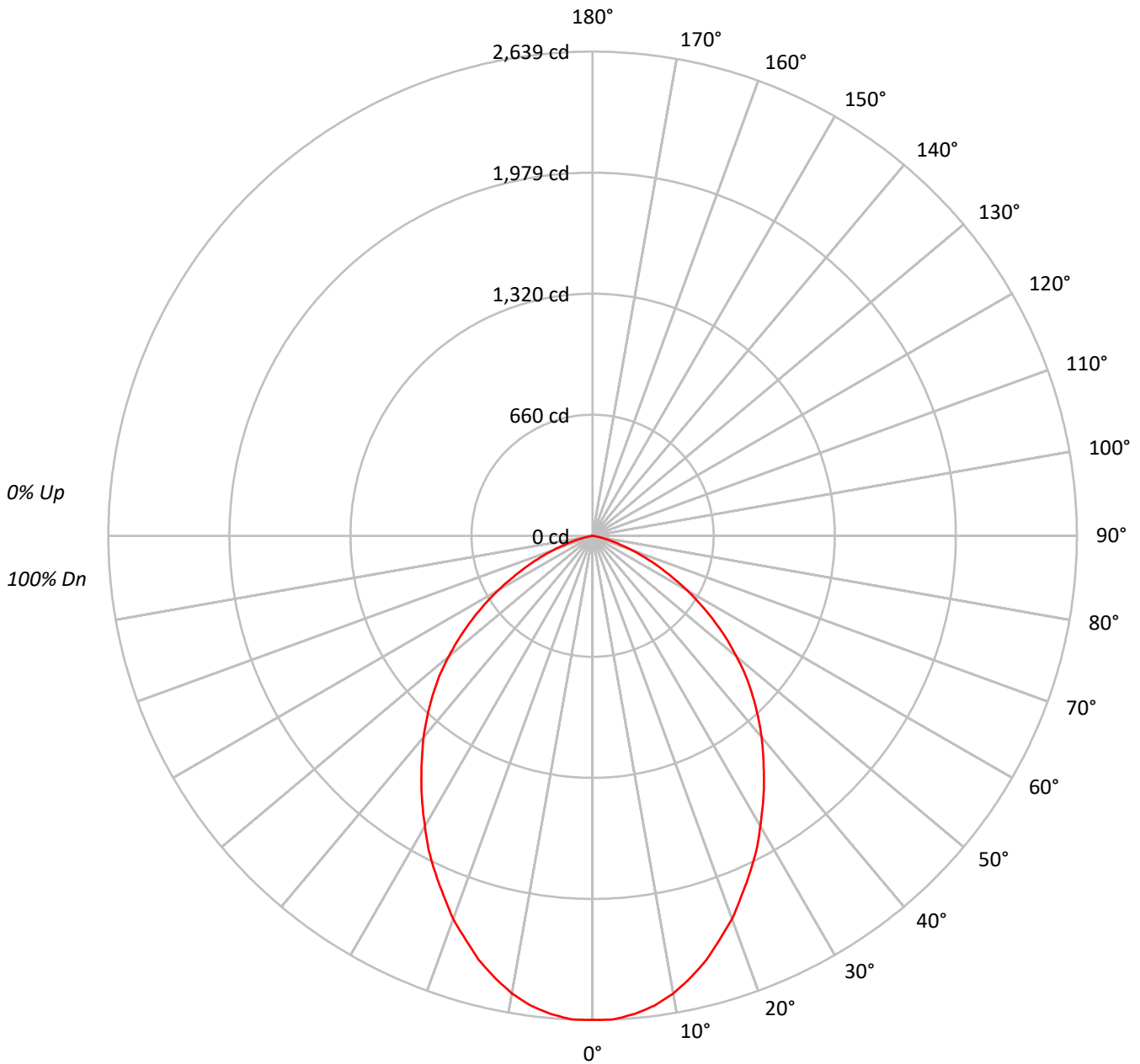
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5045.3 lumens  
Efficiency: N/A  
Efficacy: 101.7 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°	144654
5°	143979
10°	141007
15°	135880
20°	129634
25°	122644
30°	115689
35°	108931
40°	102564
45°	95615
50°	87178
55°	76987
60°	65159
65°	51173
70°	36513
75°	19995
80°	3536
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.2	4.9
10°-20°	671.8	13.3
20°-30°	932.9	18.5
30°-40°	1018.1	20.2
40°-50°	949.7	18.8
50°-60°	720.8	14.3
60°-70°	394.7	7.8
70°-80°	108.6	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°	1851.9	36.7
0°-40°	2869.9	56.9
0°-60°	4540.5	90.0
0°-90°	5045.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5045.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2639	
5°	2616	247
15°	2394	672
25°	2028	933
35°	1628	1018
45°	1233	950
55°	806	721
65°	394	395
75°	94	109
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2638.7
2.5°	2638.7
5°	2616.4
7.5°	2583.1
10°	2533.1
12.5°	2466.4
15°	2394.2
17.5°	2305.4
20°	2222.1
22.5°	2122.1
25°	2027.6
27.5°	1933.2
30°	1827.6
32.5°	1727.6
35°	1627.7
37.5°	1527.6
40°	1433.2
42.5°	1333.2
45°	1233.3
47.5°	1133.2
50°	1022.2
52.5°	916.6
55°	805.5
57.5°	699.9
60°	594.3
62.5°	488.9
65°	394.5
67.5°	305.5
70°	227.8
72.5°	155.5
75°	94.4
77.5°	44.5
80°	11.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)