

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: P684318

Luminaire Tested: **LX6C45D010 EX6C459050 6LBNH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C45D010 EX6C459050 6LBNH  
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBN TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

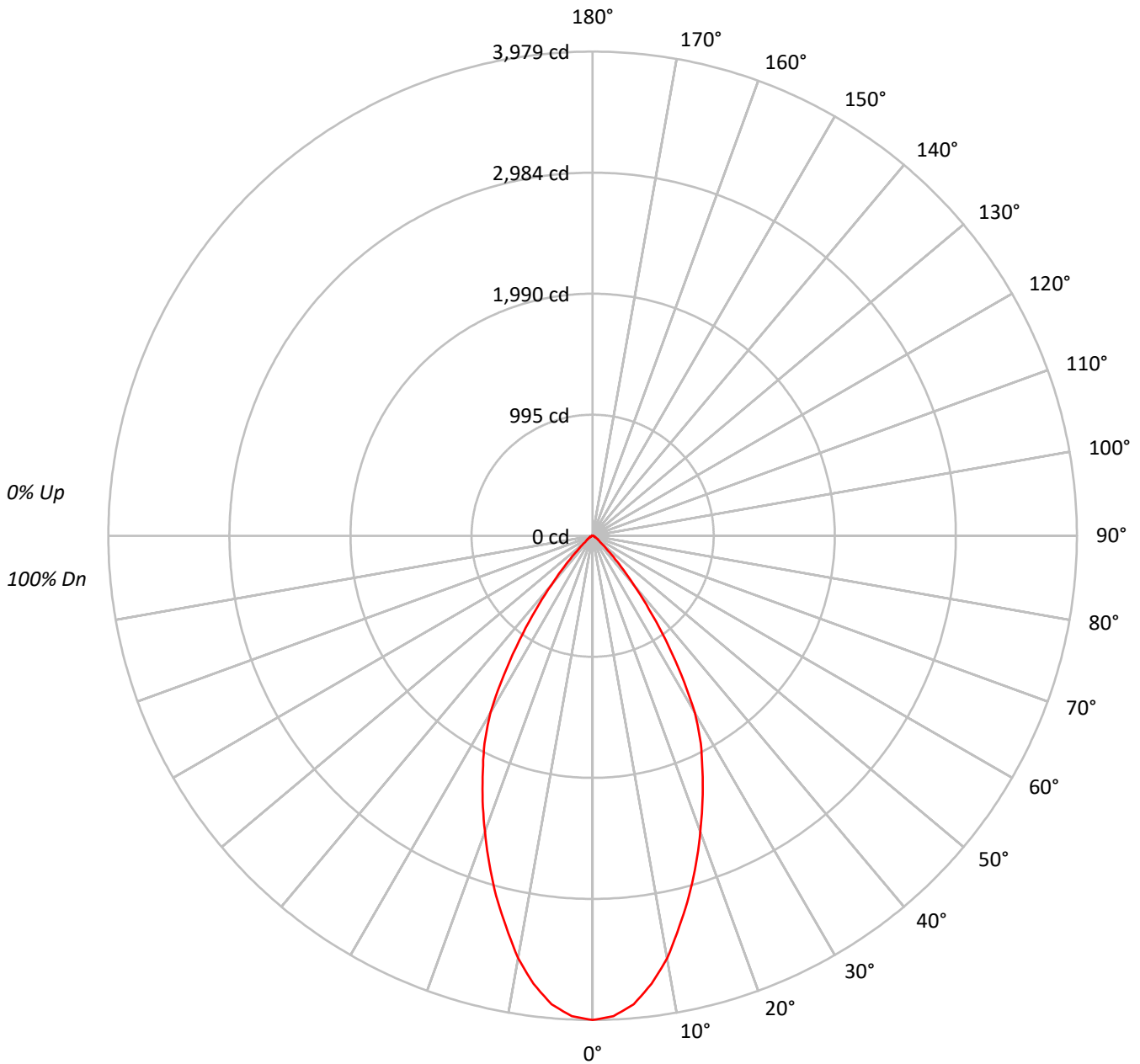
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3104.0 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	218129
5°	212733
10°	196289
15°	173786
20°	150892
25°	129068
30°	106409
35°	70075
40°	37671
45°	16676
50°	6763
55°	4874
60°	3103
65°	2218
70°	1827
75°	1207
80°	1799
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.8	11.5
10°-20°	853.3	27.5
20°-30°	977.5	31.5
30°-40°	656.8	21.2
40°-50°	187.6	6.0
50°-60°	45.9	1.5
60°-70°	17.5	0.6
70°-80°	6.8	0.2
80°-90°	0.8	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°	2188.6	70.5
0°-40°	2845.4	91.7
0°-60°	3079.0	99.2
0°-90°	3104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3104.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3979	
5°	3866	358
15°	3062	853
25°	2134	978
35°	1047	657
45°	215	188
55°	51	46
65°	17	17
75°	6	7
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3979.0
2.5°	3950.8
5°	3865.8
7.5°	3712.9
10°	3526.2
12.5°	3288.4
15°	3062.1
17.5°	2824.4
20°	2586.5
22.5°	2360.2
25°	2133.8
27.5°	1924.3
30°	1681.0
32.5°	1358.3
35°	1047.1
37.5°	764.0
40°	526.4
42.5°	345.2
45°	215.1
47.5°	130.1
50°	79.3
52.5°	62.2
55°	51.0
57.5°	39.6
60°	28.3
62.5°	22.6
65°	17.1
67.5°	11.4
70°	11.4
72.5°	5.7
75°	5.7
77.5°	5.7
80°	5.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)