

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: P684688

Luminaire Tested: **LX6C90D010 EX6C909030 6LBSH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684688  
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: LX6C90D010 EX6C909030 6LBSH  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

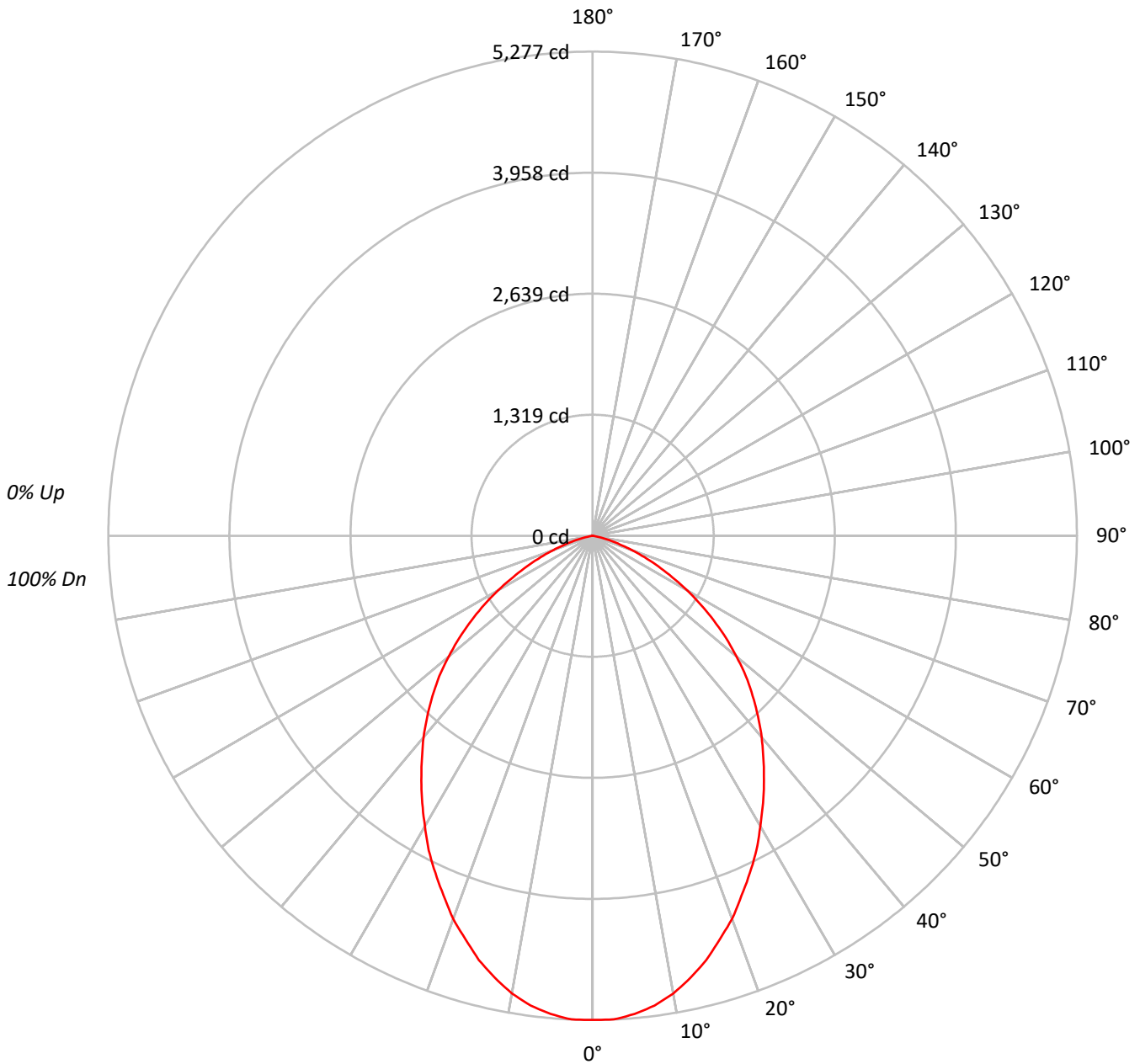
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10089.0 lumens  
Efficiency: N/A  
Efficacy: 103.9 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): 97.1  
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°	289264
5°	287915
10°	281970
15°	271716
20°	259221
25°	245252
30°	231339
35°	217828
40°	205099
45°	191183
50°	174323
55°	153954
60°	130308
65°	102320
70°	73009
75°	39990
80°	7040
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.2	4.9
10°-20°	1343.3	13.3
20°-30°	1865.6	18.5
30°-40°	2035.8	20.2
40°-50°	1899.1	18.8
50°-60°	1441.5	14.3
60°-70°	789.3	7.8
70°-80°	217.2	2.2
80°-90°	3.0	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°	3703.1	36.7
0°-40°	5738.9	56.9
0°-60°	9079.5	90.0
0°-90°	10089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10089.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5277	
5°	5232	494
15°	4788	1343
25°	4055	1866
35°	3255	2036
45°	2466	1899
55°	1611	1441
65°	789	789
75°	189	217
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5276.6
2.5°	5276.6
5°	5232.0
7.5°	5165.3
10°	5065.4
12.5°	4932.1
15°	4787.6
17.5°	4609.9
20°	4443.4
22.5°	4243.4
25°	4054.6
27.5°	3865.7
30°	3654.6
32.5°	3454.6
35°	3254.9
37.5°	3054.9
40°	2866.0
42.5°	2666.0
45°	2466.0
47.5°	2266.1
50°	2044.0
52.5°	1832.9
55°	1610.8
57.5°	1399.7
60°	1188.5
62.5°	977.6
65°	788.8
67.5°	610.9
70°	455.5
72.5°	311.0
75°	188.8
77.5°	89.0
80°	22.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)