

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: P684166

Luminaire Tested: **LX6C25D010 EX6C259727 6LBSH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684166  
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: LX6C25D010 EX6C259727 6LBSH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

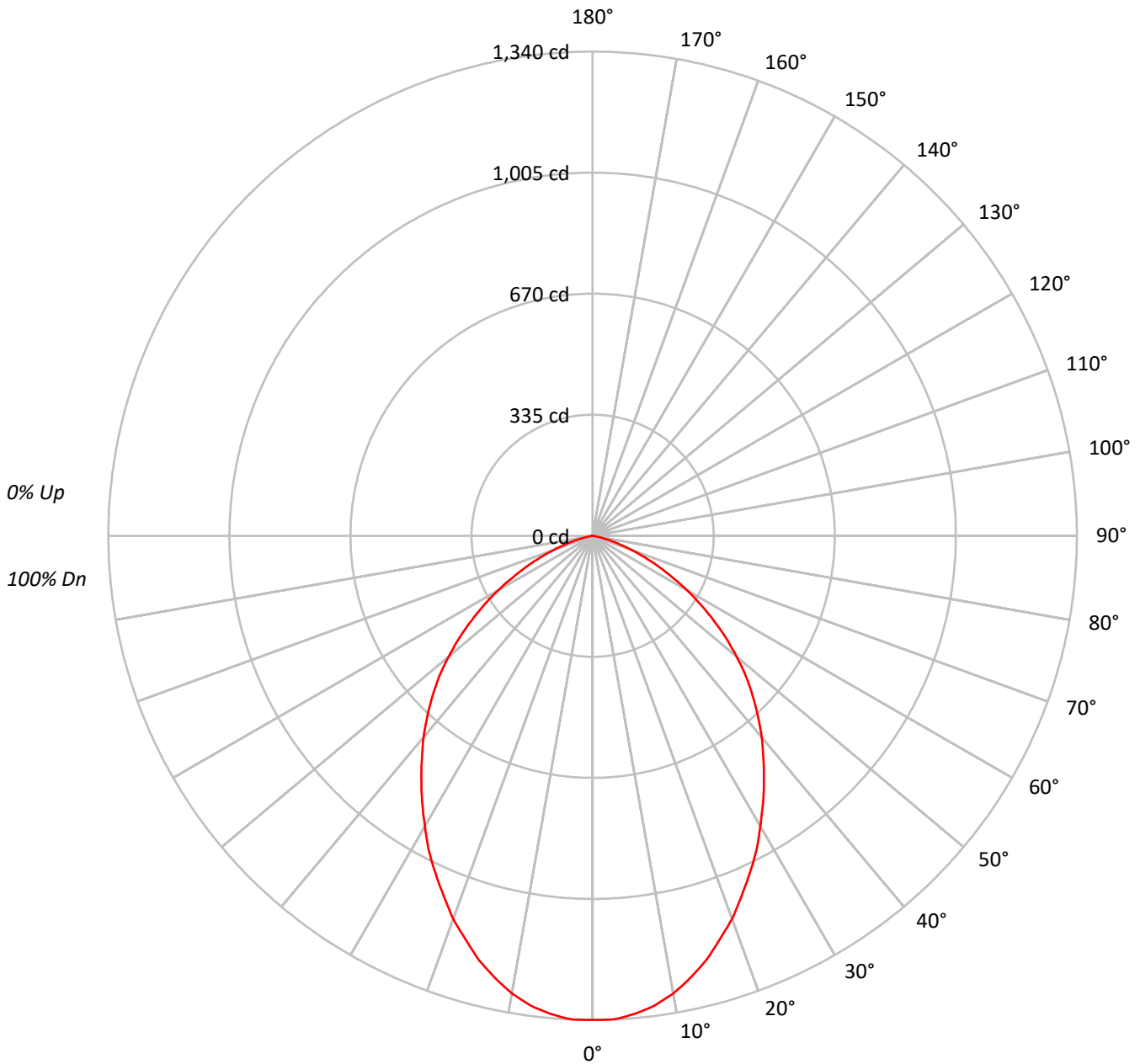
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2562.0 lumens  
Efficiency: N/A  
Efficacy: 81.3 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): 31.5  
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

TEST NUMBER: P684166

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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°	73454
5°	73112
10°	71603
15°	69002
20°	65829
25°	62278
30°	58743
35°	55312
40°	52083
45°	48548
50°	44271
55°	39100
60°	33089
65°	25982
70°	18545
75°	10167
80°	1799
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.5	4.9
10°-20°	341.1	13.3
20°-30°	473.7	18.5
30°-40°	517.0	20.2
40°-50°	482.2	18.8
50°-60°	366.0	14.3
60°-70°	200.4	7.8
70°-80°	55.2	2.2
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°	940.4	36.7
0°-40°	1457.4	56.9
0°-60°	2305.6	90.0
0°-90°	2562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1340	
5°	1329	126
15°	1216	341
25°	1030	474
35°	826	517
45°	626	482
55°	409	366
65°	200	200
75°	48	55
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1339.9
2.5°	1339.9
5°	1328.6
7.5°	1311.7
10°	1286.3
12.5°	1252.5
15°	1215.8
17.5°	1170.6
20°	1128.4
22.5°	1077.6
25°	1029.6
27.5°	981.7
30°	928.0
32.5°	877.3
35°	826.5
37.5°	775.8
40°	727.8
42.5°	677.0
45°	626.2
47.5°	575.4
50°	519.1
52.5°	465.4
55°	409.1
57.5°	355.4
60°	301.8
62.5°	248.3
65°	200.3
67.5°	155.1
70°	115.7
72.5°	79.0
75°	48.0
77.5°	22.6
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)