

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: P684571

Luminaire Tested: **LX6C75D010 EX6C759030 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684571  
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: LX6C75D010 EX6C759030 6LBSH  
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

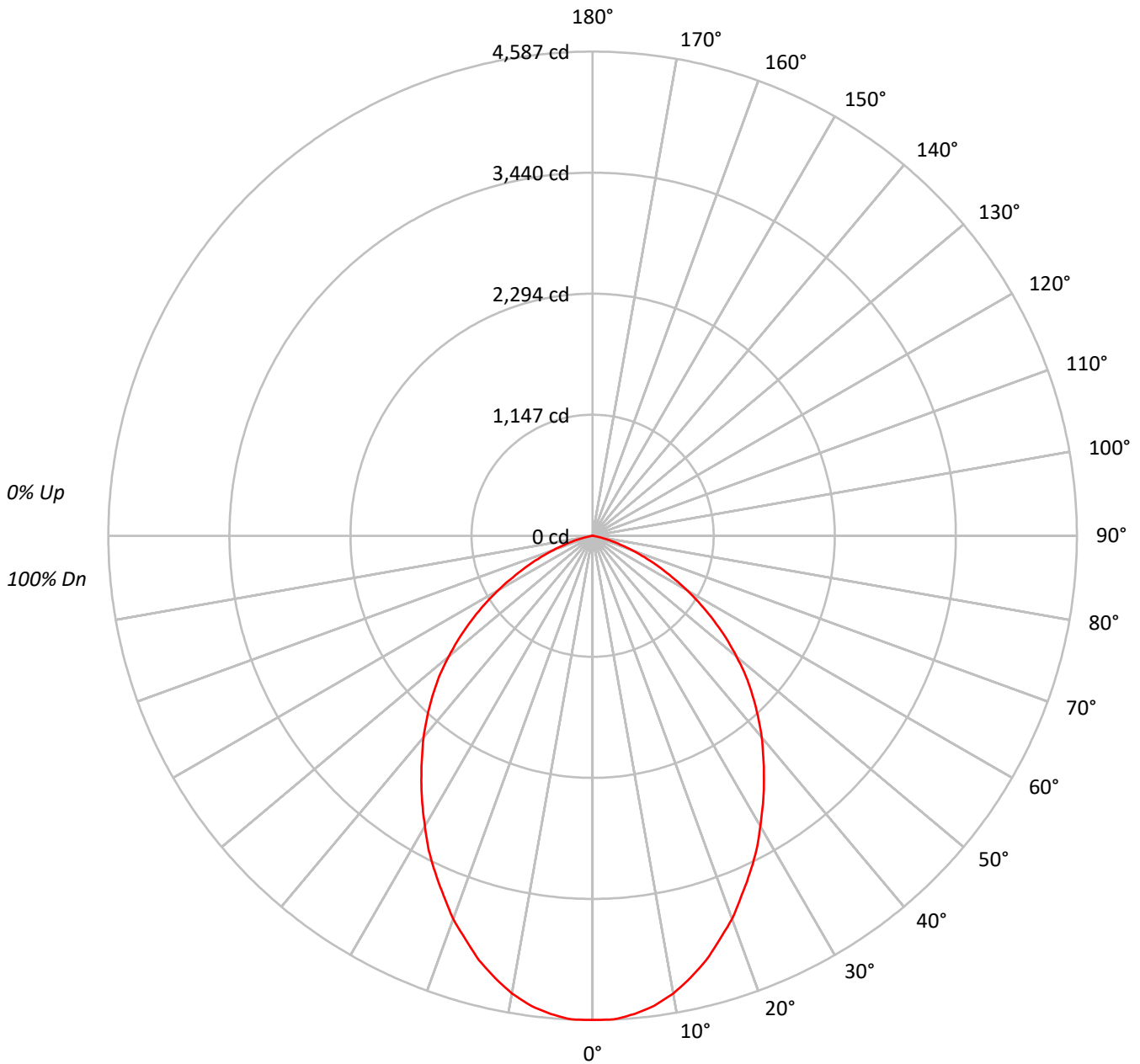
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8770.0 lumens  
Efficiency: N/A  
Efficacy: 107.6 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): 81.5  
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

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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
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°	251444
5°	250269
10°	245108
15°	236193
20°	225332
25°	213188
30°	201094
35°	189345
40°	178284
45°	166188
50°	151534
55°	133826
60°	113280
65°	88946
70°	63456
75°	34779
80°	6125
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.6	4.9
10°-20°	1167.7	13.3
20°-30°	1621.7	18.5
30°-40°	1769.7	20.2
40°-50°	1650.8	18.8
50°-60°	1253.0	14.3
60°-70°	686.1	7.8
70°-80°	188.8	2.2
80°-90°	2.6	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°	3219.0	36.7
0°-40°	4988.6	56.9
0°-60°	7892.4	90.0
0°-90°	8770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8770.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4587	
5°	4548	430
15°	4162	1168
25°	3524	1622
35°	2829	1770
45°	2144	1651
55°	1400	1253
65°	686	686
75°	164	189
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4586.7
2.5°	4586.7
5°	4547.9
7.5°	4490.0
10°	4403.2
12.5°	4287.3
15°	4161.7
17.5°	4007.2
20°	3862.5
22.5°	3688.6
25°	3524.5
27.5°	3360.3
30°	3176.8
32.5°	3003.0
35°	2829.3
37.5°	2655.5
40°	2491.3
42.5°	2317.5
45°	2143.6
47.5°	1969.8
50°	1776.8
52.5°	1593.2
55°	1400.2
57.5°	1216.7
60°	1033.2
62.5°	849.8
65°	685.7
67.5°	531.0
70°	395.9
72.5°	270.4
75°	164.2
77.5°	77.3
80°	19.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)