

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: P684461

Luminaire Tested: **LX6C60D010 EX6C609035 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684461  
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: LX6C60D010 EX6C609035 6LBSH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

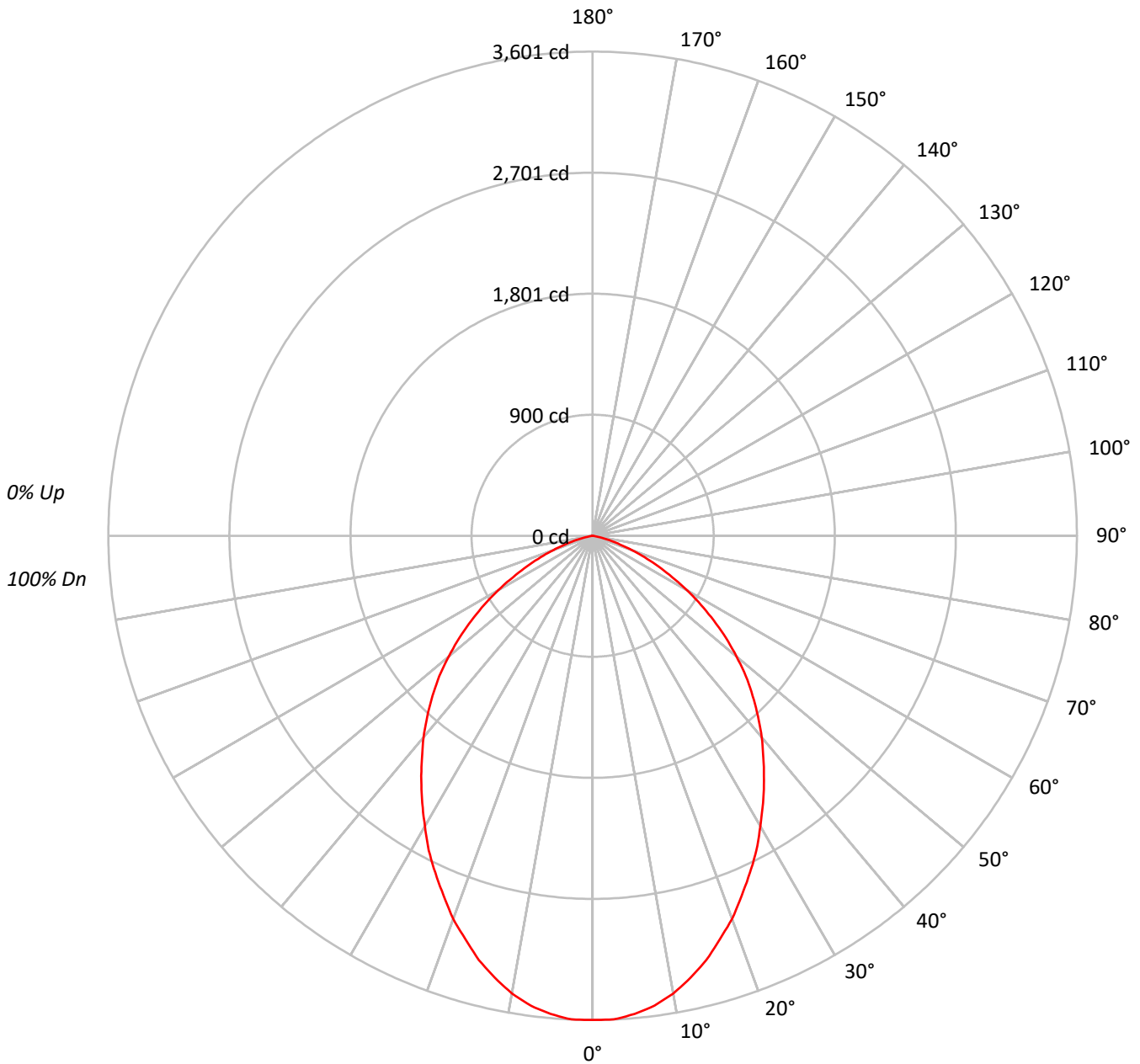
Lumens per Lamp: N/A  
Luminaire Lumens: 6885.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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°	197402
5°	196478
10°	192426
15°	185427
20°	176900
25°	167362
30°	157872
35°	148650
40°	139969
45°	130471
50°	118964
55°	105067
60°	88929
65°	69826
70°	49816
75°	27302
80°	4799
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.3	4.9
10°-20°	916.7	13.3
20°-30°	1273.1	18.5
30°-40°	1389.3	20.2
40°-50°	1296.0	18.8
50°-60°	983.7	14.3
60°-70°	538.6	7.8
70°-80°	148.2	2.2
80°-90°	2.1	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°	2527.1	36.7
0°-40°	3916.4	56.9
0°-60°	6196.1	90.0
0°-90°	6885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6885.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3601	
5°	3570	337
15°	3267	917
25°	2767	1273
35°	2221	1389
45°	1683	1296
55°	1099	984
65°	538	539
75°	129	148
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3600.9
2.5°	3600.9
5°	3570.4
7.5°	3524.9
10°	3456.8
12.5°	3365.8
15°	3267.2
17.5°	3145.9
20°	3032.3
22.5°	2895.8
25°	2766.9
27.5°	2638.1
30°	2494.0
32.5°	2357.5
35°	2221.2
37.5°	2084.7
40°	1955.9
42.5°	1819.4
45°	1682.9
47.5°	1546.4
50°	1394.9
52.5°	1250.8
55°	1099.3
57.5°	955.2
60°	811.1
62.5°	667.2
65°	538.3
67.5°	416.9
70°	310.8
72.5°	212.2
75°	128.9
77.5°	60.7
80°	15.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)