

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: P685006

Luminaire Tested: **LX6C40D010 EX6409040 6LRMDLI**

Issue Date: 2/15/2022

**Test Information**

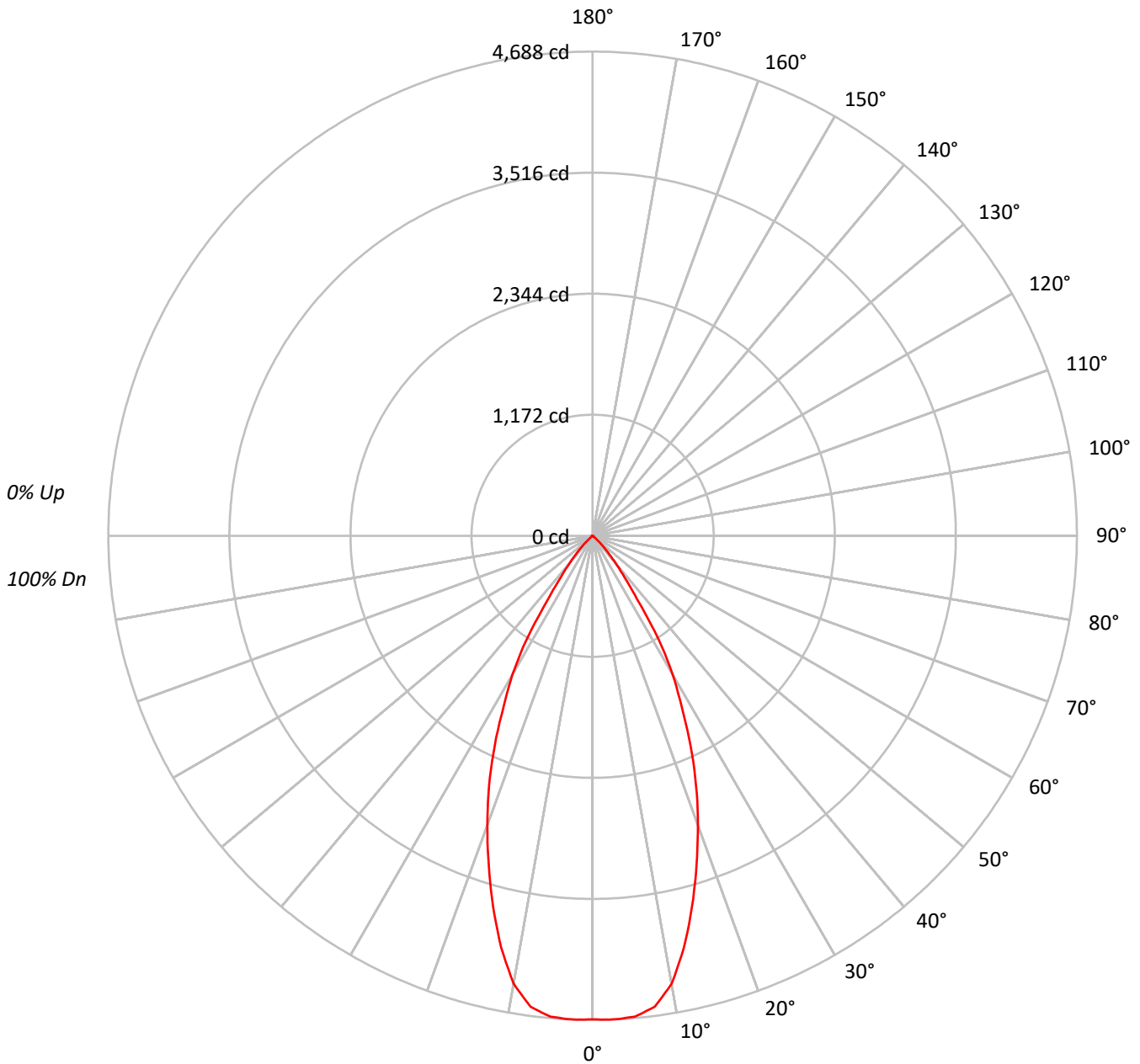
Test Method: LM-79-08  
Report Number: P685006  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C40D010 EX6409040 6LRMDLI  
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3135.0 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 47  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89		
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78		
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74		
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70		
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66		
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62		
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59		
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56		

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

	0°
0°	256695
5°	257192
10°	245102
15°	211045
20°	173860
25°	135794
30°	98072
35°	50226
40°	24489
45°	10179
50°	1851
55°	1080
60°	702
65°	519
70°	385
75°	339
80°	253
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.1	14.0
10°-20°	1030.7	32.9
20°-30°	1020.8	32.6
30°-40°	517.5	16.5
40°-50°	111.5	3.6
50°-60°	10.6	0.3
60°-70°	4.0	0.1
70°-80°	1.5	0.0
80°-90°	0.3	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°	2489.5	79.4
0°-40°	3007.0	95.9
0°-60°	3129.1	99.8
0°-90°	3135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4682	
5°	4674	438
15°	3719	1031
25°	2245	1021
35°	750	517
45°	131	111
55°	11	11
65°	4	4
75°	2	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4682.5
2.5°	4688.1
5°	4673.7
7.5°	4600.4
10°	4403.1
12.5°	4085.8
15°	3718.6
17.5°	3342.6
20°	2980.2
22.5°	2617.9
25°	2245.0
27.5°	1865.0
30°	1549.3
32.5°	1193.4
35°	750.5
37.5°	504.9
40°	342.2
42.5°	221.4
45°	131.3
47.5°	58.8
50°	21.7
52.5°	14.5
55°	11.3
57.5°	8.1
60°	6.4
62.5°	4.8
65°	4.0
67.5°	3.2
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)