

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: P563938

Luminaire Tested: **LX6C35D010 EX6C359030 6LBWH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C35D010 EX6C359030 6LBWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBW TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

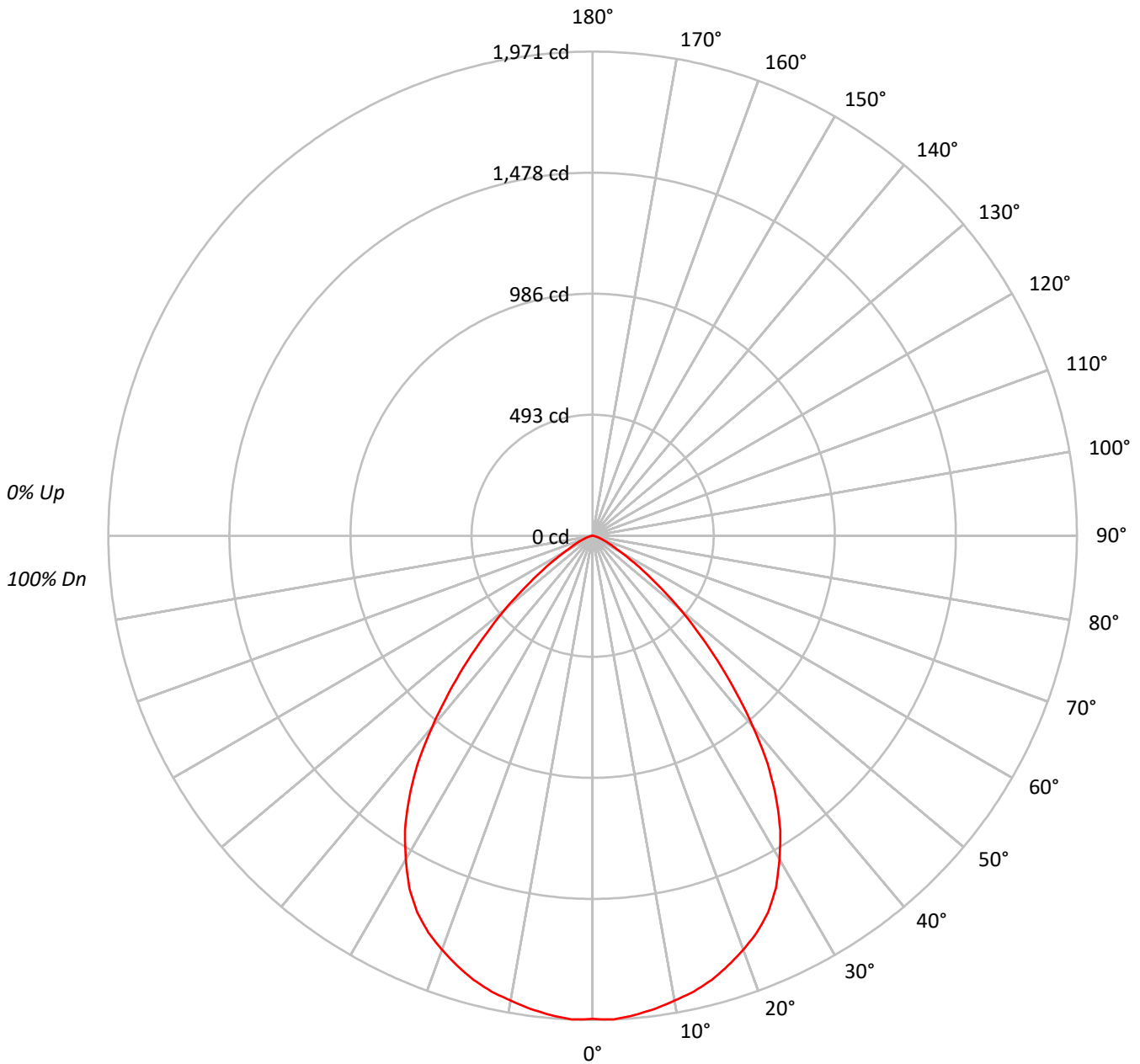
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3188.9 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 40.4  
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			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

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

	0°
0°	107826
5°	107781
10°	106956
15°	106238
20°	104618
25°	102230
30°	96255
35°	87107
40°	72743
45°	55742
50°	39470
55°	24888
60°	14045
65°	9119
70°	5947
75°	4363
80°	2620
85°	2642



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.8	5.8
10°-20°	527.1	16.5
20°-30°	772.9	24.2
30°-40°	804.4	25.2
40°-50°	556.5	17.5
50°-60°	242.3	7.6
60°-70°	74.3	2.3
70°-80°	22.3	0.7
80°-90°	3.4	0.1
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°	1485.8	46.6
0°-40°	2290.1	71.8
0°-60°	3088.9	96.9
0°-90°	3188.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3188.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1967	
5°	1959	186
15°	1872	527
25°	1690	773
35°	1302	804
45°	719	557
55°	260	242
65°	70	74
75°	21	22
85°	4	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1966.9
2.5°	1970.9
5°	1958.6
7.5°	1942.1
10°	1921.4
12.5°	1900.7
15°	1871.9
17.5°	1834.6
20°	1793.3
22.5°	1747.9
25°	1690.1
27.5°	1615.6
30°	1520.6
32.5°	1421.3
35°	1301.6
37.5°	1169.5
40°	1016.5
42.5°	863.6
45°	719.0
47.5°	582.6
50°	462.8
52.5°	351.3
55°	260.4
57.5°	185.9
60°	128.1
62.5°	95.1
65°	70.3
67.5°	53.8
70°	37.1
72.5°	29.0
75°	20.6
77.5°	12.3
80°	8.3
82.5°	4.2
85°	4.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)