

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: P563935

Luminaire Tested: **LX6C35D010 EX6C359030 6LBMH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563935  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C35D010 EX6C359030 6LBMH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBM TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

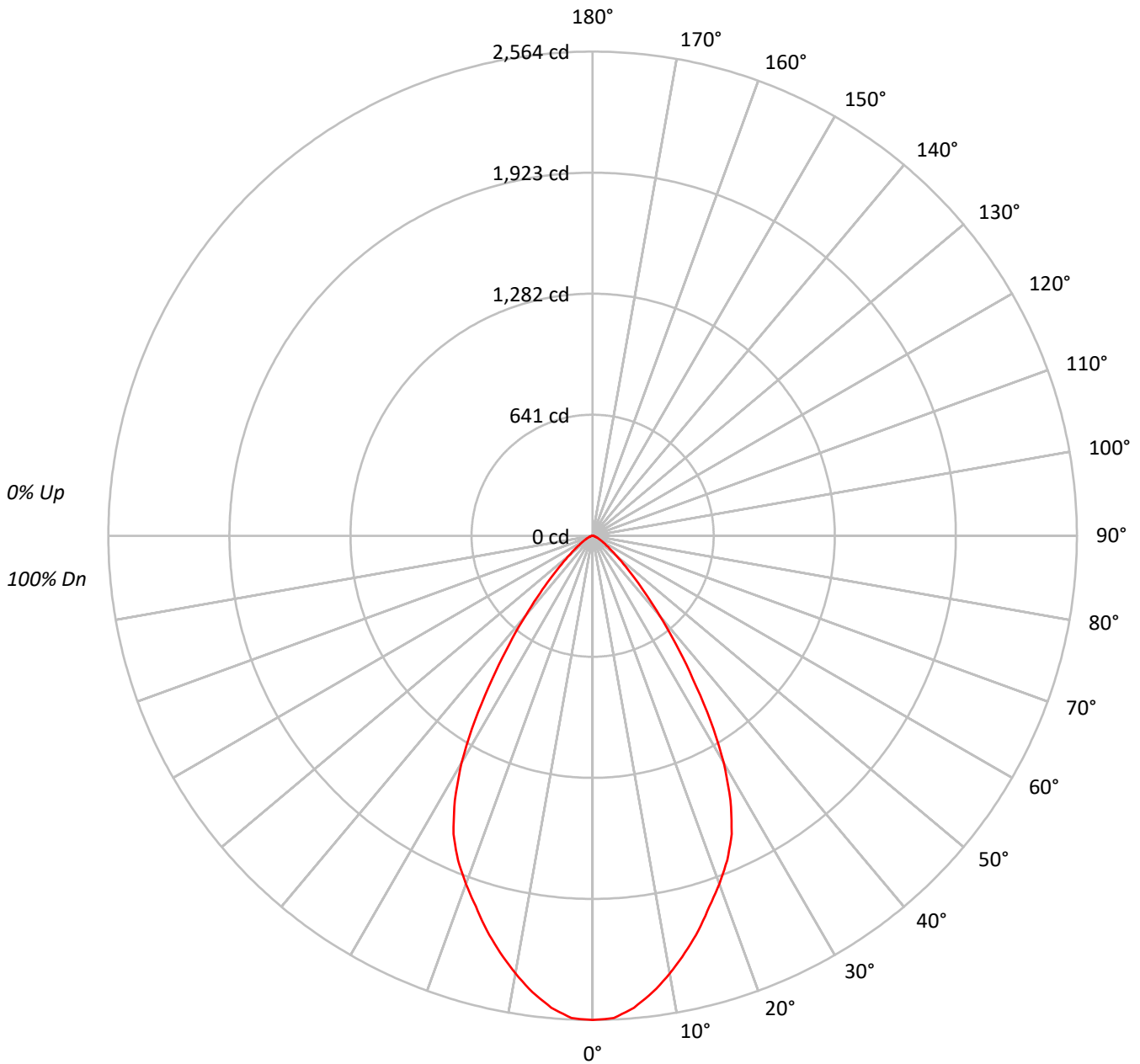
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2591.0 lumens  
Efficiency: N/A  
Efficacy: 64.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

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

	0°
0°	140570
5°	138053
10°	130998
15°	122844
20°	114402
25°	105411
30°	87830
35°	61904
40°	39452
45°	23530
50°	13884
55°	8831
60°	6085
65°	4320
70°	2965
75°	2351
80°	1168
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.5	9.0
10°-20°	606.5	23.4
20°-30°	785.9	30.3
30°-40°	583.4	22.5
40°-50°	246.3	9.5
50°-60°	87.4	3.4
60°-70°	33.7	1.3
70°-80°	11.7	0.5
80°-90°	1.5	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°	1626.9	62.8
0°-40°	2210.3	85.3
0°-60°	2544.0	98.2
0°-90°	2591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2591.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2564	
5°	2509	234
15°	2164	607
25°	1743	786
35°	925	583
45°	304	246
55°	92	87
65°	33	34
75°	11	12
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2564.2
2.5°	2556.7
5°	2508.7
7.5°	2438.3
10°	2353.3
12.5°	2260.7
15°	2164.5
17.5°	2057.3
20°	1961.0
22.5°	1861.2
25°	1742.7
27.5°	1579.9
30°	1387.5
32.5°	1161.8
35°	925.0
37.5°	725.2
40°	551.3
42.5°	410.7
45°	303.5
47.5°	222.0
50°	162.8
52.5°	122.1
55°	92.4
57.5°	70.2
60°	55.5
62.5°	40.7
65°	33.3
67.5°	25.8
70°	18.5
72.5°	14.8
75°	11.1
77.5°	7.4
80°	3.7
82.5°	3.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)