

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: P684966

Luminaire Tested: **LX6C35D010 EX6359027 6LRMDLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684966
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: LX6C35D010 EX6359027 6LRMDLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

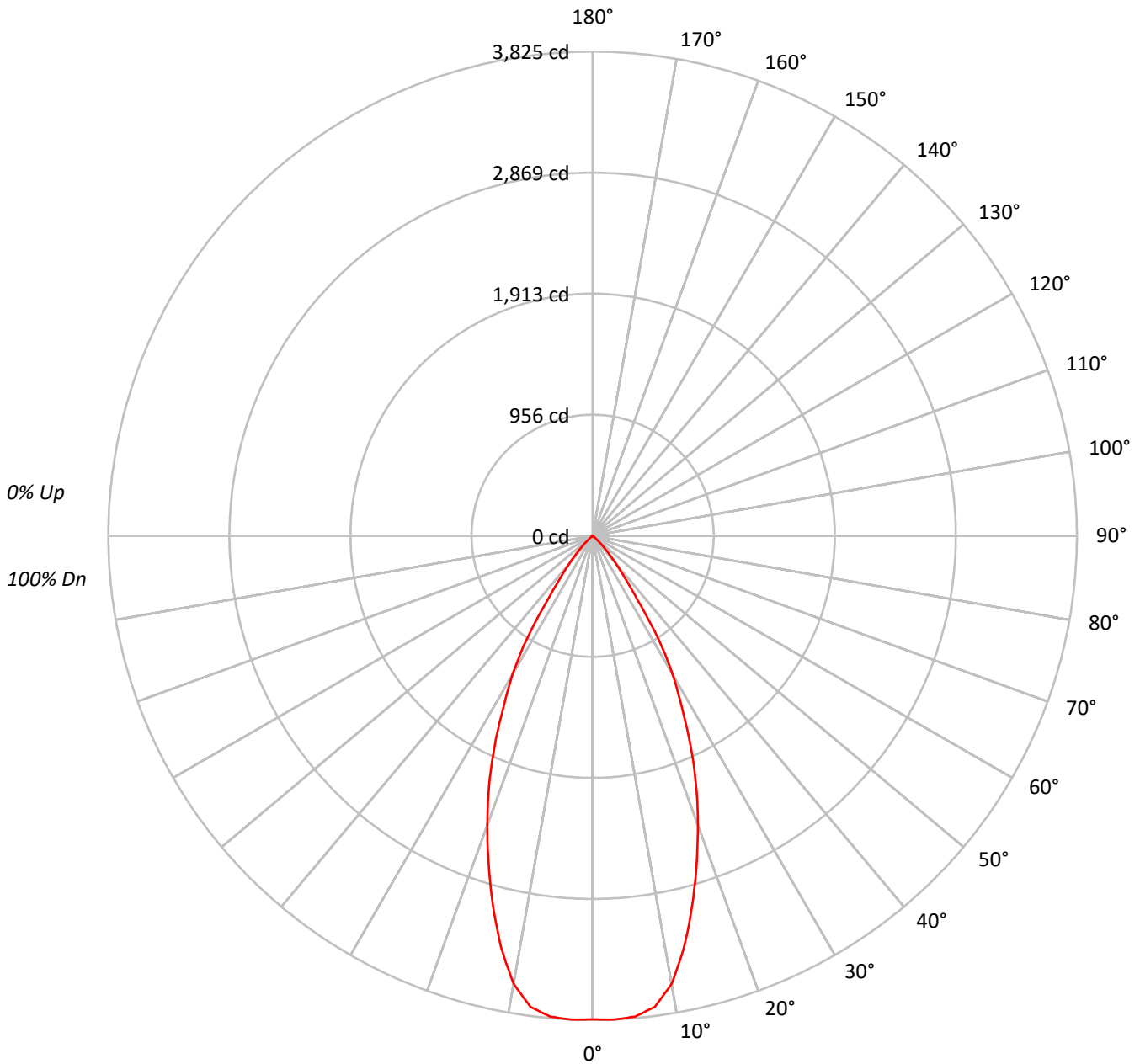
Lumens per Lamp: N/A
Luminaire Lumens: 2558.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V):
Input Current (A_{in}): 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	100	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	70	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°	209451
5°	209855
10°	199991
15°	172203
20°	141862
25°	110801
30°	80019
35°	40984
40°	19980
45°	8303
50°	1510
55°	879
60°	581
65°	428
70°	321
75°	275
80°	221
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.4	14.0
10°-20°	841.0	32.9
20°-30°	832.9	32.6
30°-40°	422.2	16.5
40°-50°	91.0	3.6
50°-60°	8.7	0.3
60°-70°	3.3	0.1
70°-80°	1.2	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°	2031.3	79.4
0°-40°	2453.6	95.9
0°-60°	2553.2	99.8
0°-90°	2558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3821	
5°	3814	357
15°	3034	841
25°	1832	833
35°	612	422
45°	107	91
55°	9	9
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3820.7
2.5°	3825.3
5°	3813.5
7.5°	3753.7
10°	3592.7
12.5°	3333.8
15°	3034.2
17.5°	2727.4
20°	2431.7
22.5°	2136.0
25°	1831.8
27.5°	1521.7
30°	1264.1
32.5°	973.7
35°	612.4
37.5°	412.0
40°	279.2
42.5°	180.7
45°	107.1
47.5°	48.0
50°	17.7
52.5°	11.8
55°	9.2
57.5°	6.6
60°	5.3
62.5°	3.9
65°	3.3
67.5°	2.6
70°	2.0
72.5°	1.3
75°	1.3
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)