

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: P684280

Luminaire Tested: **LX6C40D010 EX6C409050 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684280
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: LX6C40D010 EX6C409050 6LBSH
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

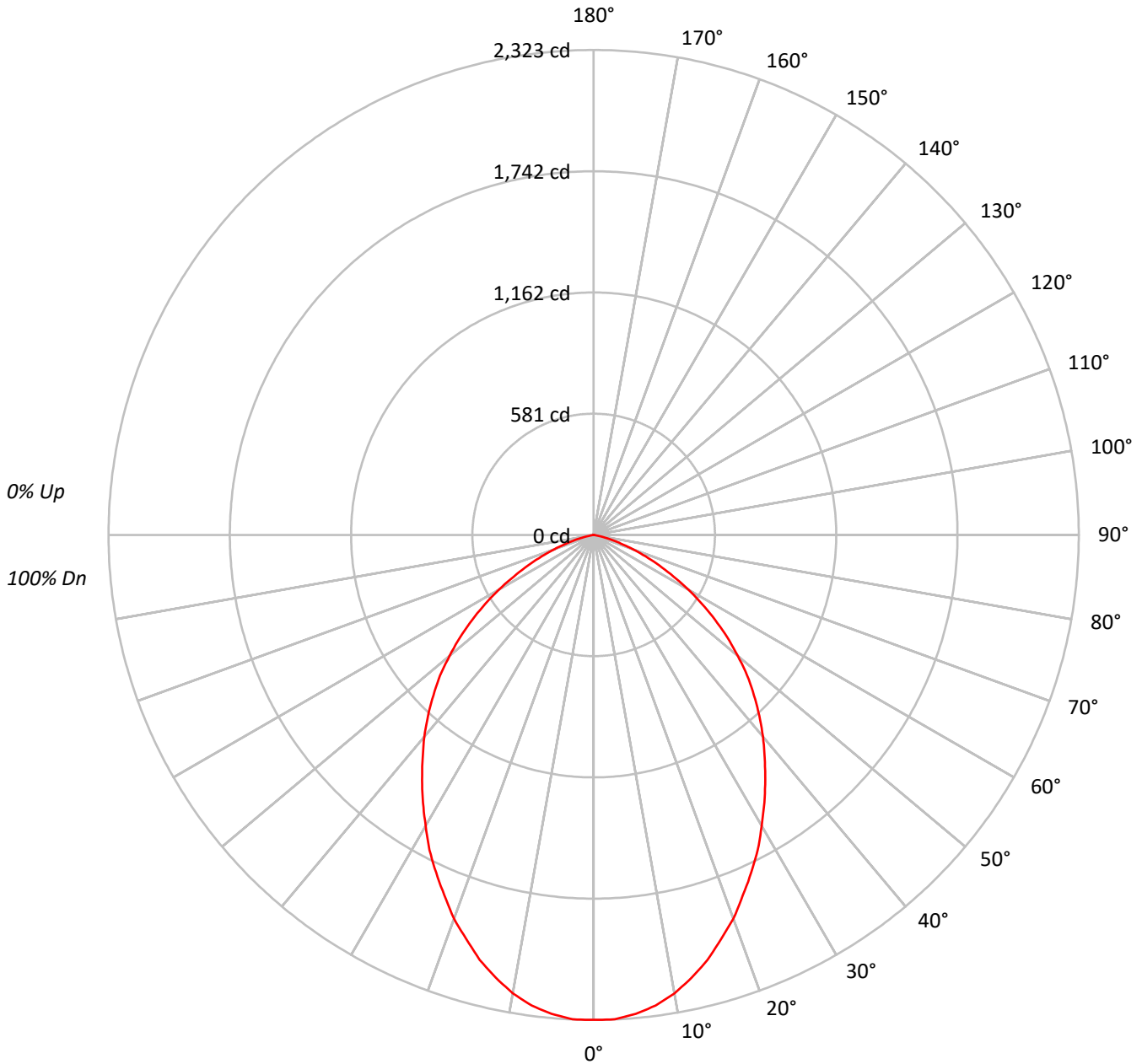
Lumens per Lamp: N/A
Luminaire Lumens: 4441.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	0
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°	127325
5°	126733
10°	124118
15°	119603
20°	114104
25°	107952
30°	101832
35°	95881
40°	90283
45°	84156
50°	76731
55°	67773
60°	57364
65°	45037
70°	32137
75°	17601
80°	3094
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	4.9
10°-20°	591.3	13.3
20°-30°	821.2	18.5
30°-40°	896.1	20.2
40°-50°	835.9	18.8
50°-60°	634.5	14.3
60°-70°	347.4	7.8
70°-80°	95.6	2.2
80°-90°	1.3	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°	1630.0	36.7
0°-40°	2526.2	56.9
0°-60°	3996.6	90.0
0°-90°	4441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4441.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2323	
5°	2303	218
15°	2107	591
25°	1785	821
35°	1433	896
45°	1086	836
55°	709	635
65°	347	347
75°	83	96
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2322.6
2.5°	2322.6
5°	2303.0
7.5°	2273.7
10°	2229.7
12.5°	2171.0
15°	2107.4
17.5°	2029.2
20°	1955.9
22.5°	1867.9
25°	1784.7
27.5°	1701.6
30°	1608.7
32.5°	1520.7
35°	1432.7
37.5°	1344.7
40°	1261.6
42.5°	1173.5
45°	1085.5
47.5°	997.5
50°	899.7
52.5°	806.8
55°	709.1
57.5°	616.1
60°	523.2
62.5°	430.3
65°	347.2
67.5°	268.9
70°	200.5
72.5°	136.9
75°	83.1
77.5°	39.2
80°	9.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)