

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: P684468

Luminaire Tested: **LX6C60D010 EX6C609040 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684468
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: LX6C60D010 EX6C609040 6LBSH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

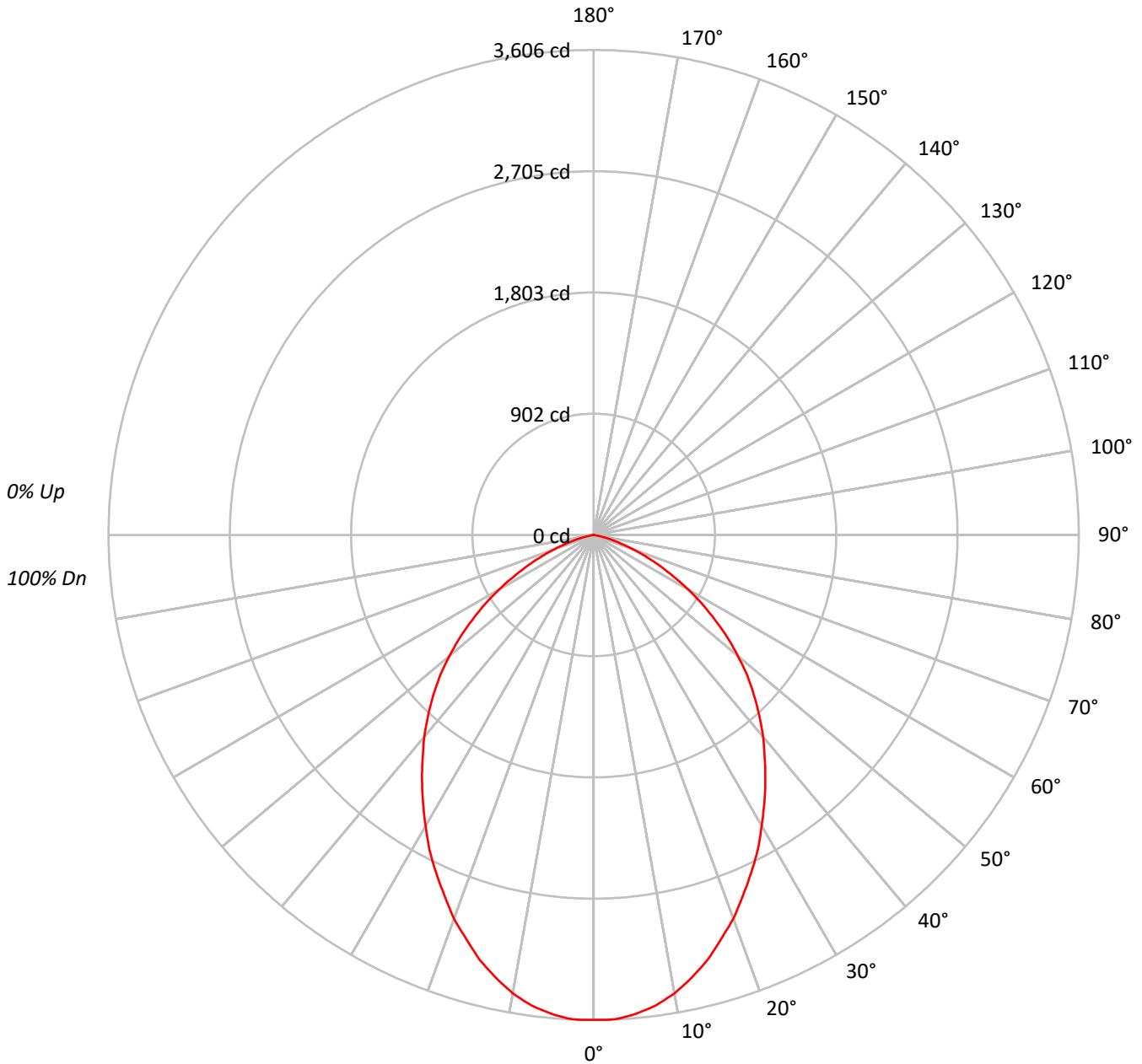
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6895.0 lumens
Efficiency: N/A
Efficacy: 95.8 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): 72
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°	197687
5°	196764
10°	192704
15°	185693
20°	177156
25°	167610
30°	158100
35°	148864
40°	140170
45°	130657
50°	119135
55°	105220
60°	89061
65°	69930
70°	49896
75°	27345
80°	4799
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.8	4.9
10°-20°	918.0	13.3
20°-30°	1275.0	18.5
30°-40°	1391.3	20.2
40°-50°	1297.9	18.8
50°-60°	985.1	14.3
60°-70°	539.4	7.8
70°-80°	148.5	2.2
80°-90°	2.1	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°	2530.8	36.7
0°-40°	3922.1	56.9
0°-60°	6205.1	90.0
0°-90°	6895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3606	
5°	3576	338
15°	3272	918
25°	2771	1275
35°	2224	1391
45°	1685	1298
55°	1101	985
65°	539	539
75°	129	148
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3606.1
2.5°	3606.1
5°	3575.6
7.5°	3530.1
10°	3461.8
12.5°	3370.7
15°	3271.9
17.5°	3150.5
20°	3036.7
22.5°	2900.0
25°	2771.0
27.5°	2641.9
30°	2497.6
32.5°	2360.9
35°	2224.4
37.5°	2087.7
40°	1958.7
42.5°	1822.0
45°	1685.3
47.5°	1548.7
50°	1396.9
52.5°	1252.6
55°	1100.9
57.5°	956.6
60°	812.3
62.5°	668.1
65°	539.1
67.5°	417.5
70°	311.3
72.5°	212.6
75°	129.1
77.5°	60.8
80°	15.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)