

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: P683911

Luminaire Tested: **LX6C100D010 EX6C1009040 6LBWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683911
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: LX6C100D010 EX6C1009040 6LBWH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

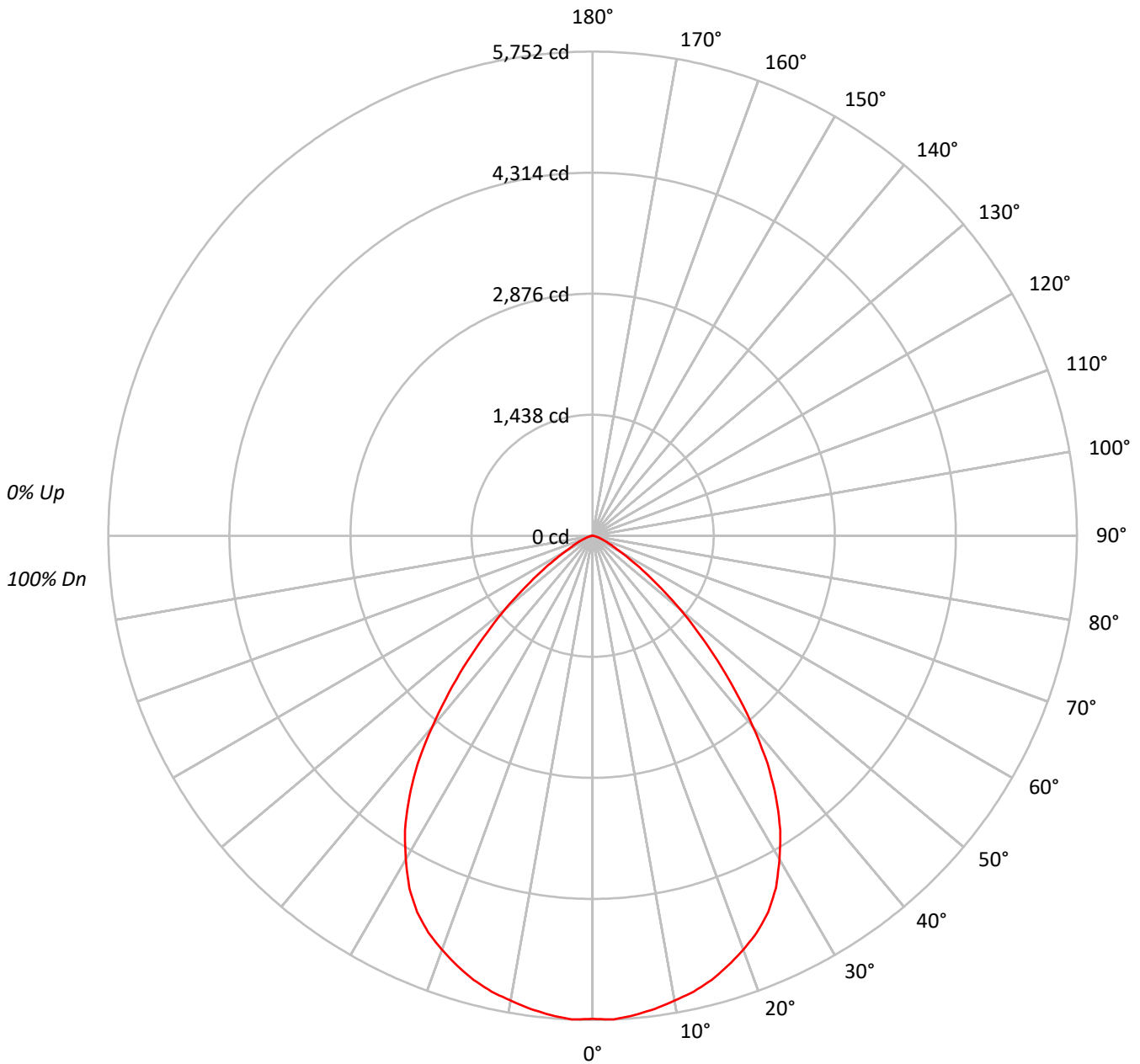
Lumens per Lamp: N/A
Luminaire Lumens: 9306.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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	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°	314646
5°	314538
10°	312118
15°	310024
20°	305302
25°	298324
30°	280898
35°	254207
40°	212269
45°	162653
50°	115195
55°	72628
60°	40973
65°	26592
70°	17375
75°	12772
80°	7671
85°	7611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.1	5.8
10°-20°	1538.2	16.5
20°-30°	2255.4	24.2
30°-40°	2347.3	25.2
40°-50°	1624.0	17.5
50°-60°	707.1	7.6
60°-70°	216.8	2.3
70°-80°	65.0	0.7
80°-90°	9.9	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°	4335.8	46.6
0°-40°	6683.1	71.8
0°-60°	9014.3	96.9
0°-90°	9306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5740	
5°	5716	542
15°	5463	1538
25°	4932	2255
35°	3798	2347
45°	2098	1624
55°	760	707
65°	205	217
75°	60	65
85°	12	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5739.6
2.5°	5751.7
5°	5715.8
7.5°	5667.6
10°	5607.0
12.5°	5546.7
15°	5462.6
17.5°	5353.8
20°	5233.3
22.5°	5100.7
25°	4932.0
27.5°	4714.9
30°	4437.5
32.5°	4147.9
35°	3798.5
37.5°	3412.7
40°	2966.2
42.5°	2520.2
45°	2098.0
47.5°	1700.1
50°	1350.7
52.5°	1025.2
55°	759.9
57.5°	542.7
60°	373.7
62.5°	277.4
65°	205.0
67.5°	156.9
70°	108.4
72.5°	84.5
75°	60.3
77.5°	36.0
80°	24.3
82.5°	12.1
85°	12.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)