

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: P683979

Luminaire Tested: **LX6C120D010 EX6C1209050 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683979
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: LX6C120D010 EX6C1209050 6LBSH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

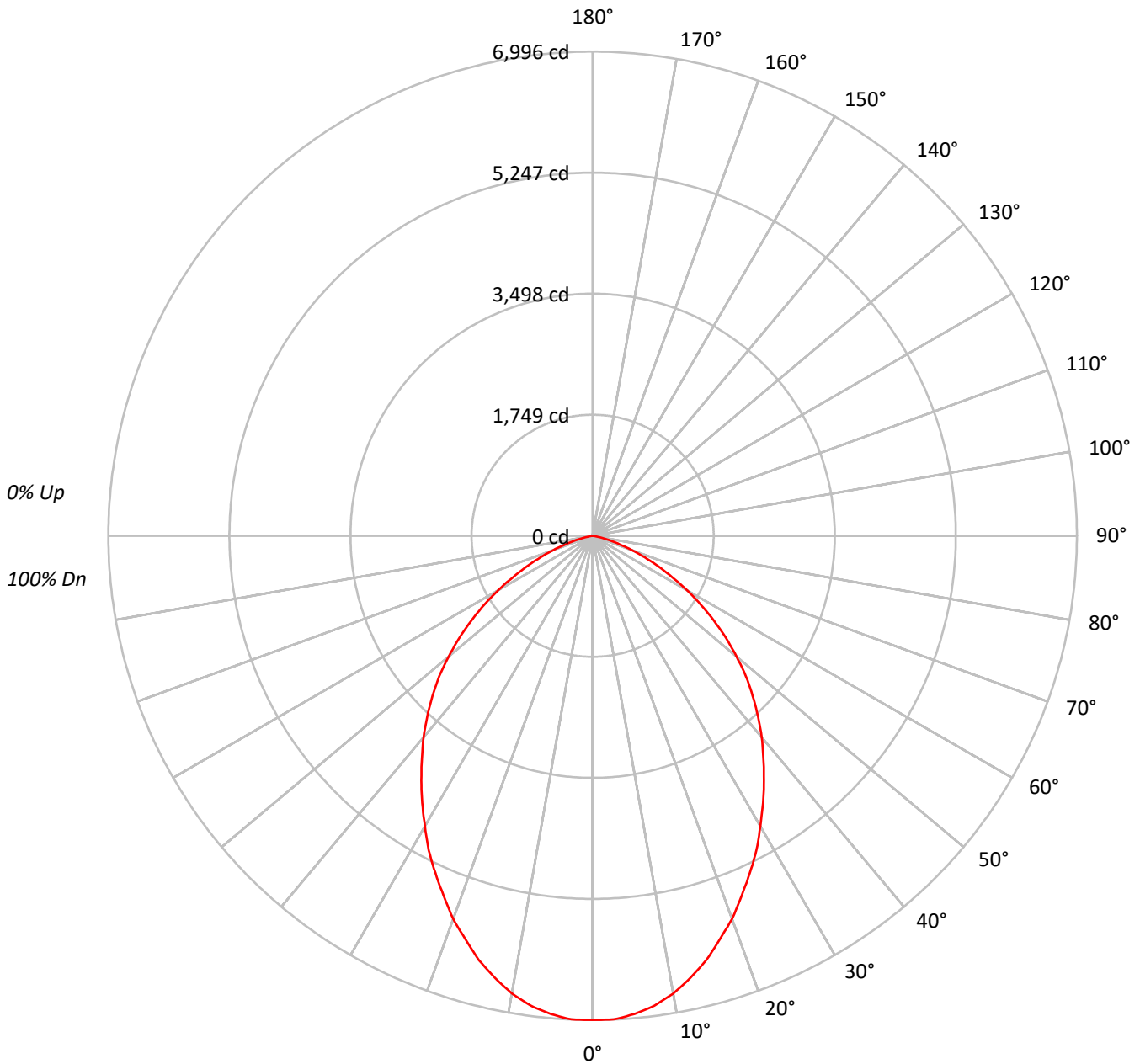
Lumens per Lamp: N/A
Luminaire Lumens: 13376.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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				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°	383505
5°	381713
10°	373835
15°	360240
20°	343672
25°	325150
30°	306712
35°	288793
40°	271924
45°	253476
50°	231114
55°	204112
60°	172771
65°	135657
70°	96795
75°	53037
80°	9345
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.2	4.9
10°-20°	1781.0	13.3
20°-30°	2473.4	18.5
30°-40°	2699.1	20.2
40°-50°	2517.8	18.8
50°-60°	1911.1	14.3
60°-70°	1046.5	7.8
70°-80°	288.0	2.2
80°-90°	4.0	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°	4909.6	36.7
0°-40°	7608.7	56.9
0°-60°	12037.5	90.0
0°-90°	13376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13376.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6996	
5°	6936	655
15°	6347	1781
25°	5376	2473
35°	4315	2699
45°	3270	2518
55°	2136	1911
65°	1046	1046
75°	250	288
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6995.7
2.5°	6995.7
5°	6936.5
7.5°	6848.1
10°	6715.7
12.5°	6539.0
15°	6347.4
17.5°	6111.8
20°	5891.0
22.5°	5625.9
25°	5375.5
27.5°	5125.2
30°	4845.3
32.5°	4580.1
35°	4315.3
37.5°	4050.1
40°	3799.8
42.5°	3534.6
45°	3269.5
47.5°	3004.3
50°	2709.9
52.5°	2430.0
55°	2135.6
57.5°	1855.7
60°	1575.8
62.5°	1296.2
65°	1045.8
67.5°	809.9
70°	603.9
72.5°	412.3
75°	250.4
77.5°	117.9
80°	29.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)