

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: P684670

Luminaire Tested: **LX6C80D010 EX6C809050 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684670
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: LX6C80D010 EX6C809050 6LBSH
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

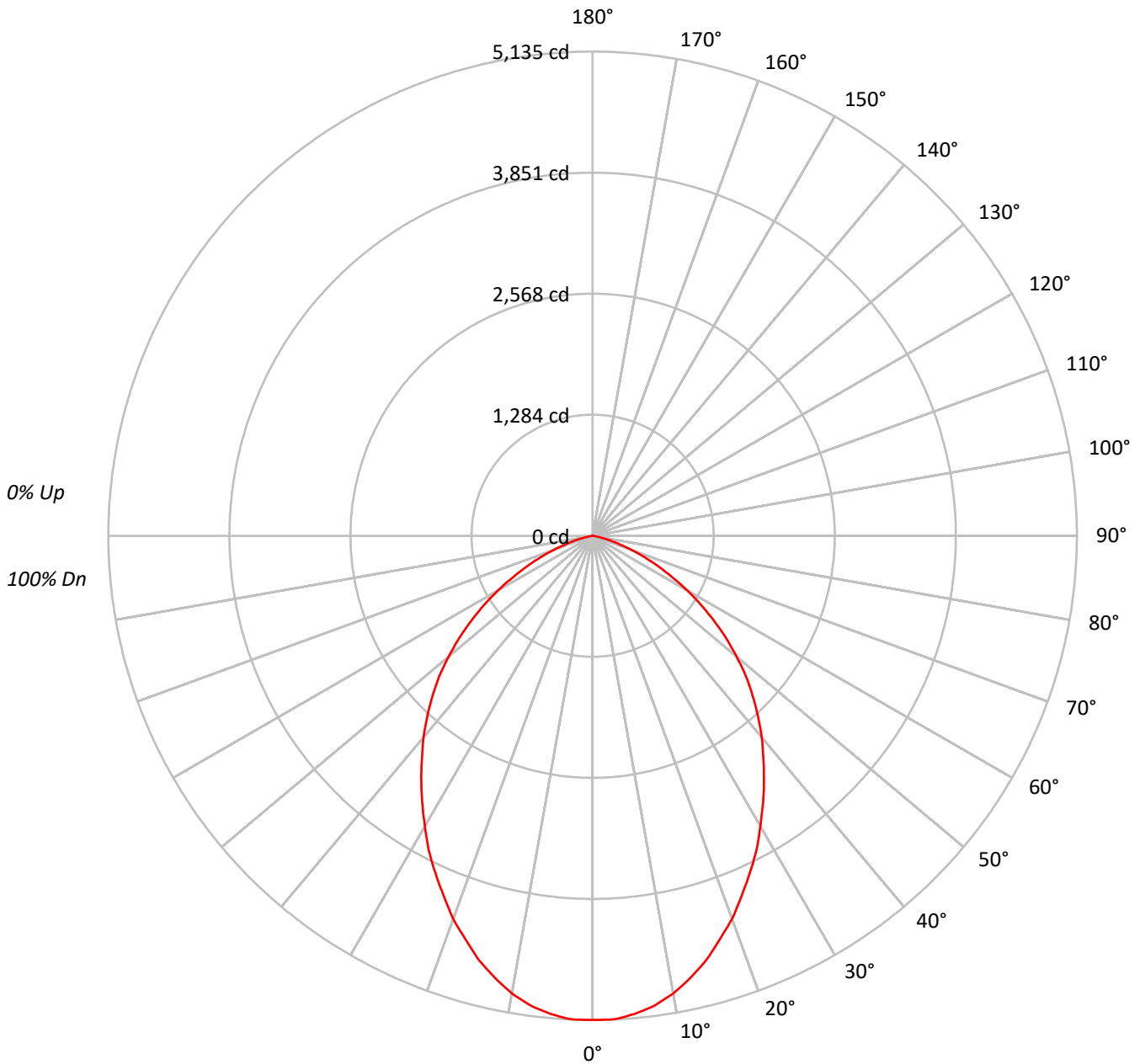
Lumens per Lamp: N/A
Luminaire Lumens: 9818.0 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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°	281491
5°	280178
10°	274399
15°	264417
20°	252255
25°	238665
30°	225123
35°	211972
40°	199588
45°	186050
50°	169640
55°	149825
60°	126810
65°	99570
70°	71054
75°	38930
80°	6851
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.0	4.9
10°-20°	1307.2	13.3
20°-30°	1815.5	18.5
30°-40°	1981.1	20.2
40°-50°	1848.1	18.8
50°-60°	1402.8	14.3
60°-70°	768.1	7.8
70°-80°	211.4	2.2
80°-90°	2.9	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°	3603.6	36.7
0°-40°	5584.8	56.9
0°-60°	8835.6	90.0
0°-90°	9818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9818.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5135	
5°	5091	481
15°	4659	1307
25°	3946	1815
35°	3167	1981
45°	2400	1848
55°	1568	1403
65°	768	768
75°	184	211
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5134.8
2.5°	5134.8
5°	5091.4
7.5°	5026.5
10°	4929.4
12.5°	4799.6
15°	4659.0
17.5°	4486.1
20°	4324.0
22.5°	4129.4
25°	3945.7
27.5°	3761.9
30°	3556.4
32.5°	3361.8
35°	3167.4
37.5°	2972.8
40°	2789.0
42.5°	2594.4
45°	2399.8
47.5°	2205.2
50°	1989.1
52.5°	1783.6
55°	1567.6
57.5°	1362.1
60°	1156.6
62.5°	951.4
65°	767.6
67.5°	594.5
70°	443.3
72.5°	302.7
75°	183.8
77.5°	86.6
80°	21.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)