

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: P684653

Luminaire Tested: **LX6C80D010 EX6C809035 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C80D010 EX6C809035 6LBMDH
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

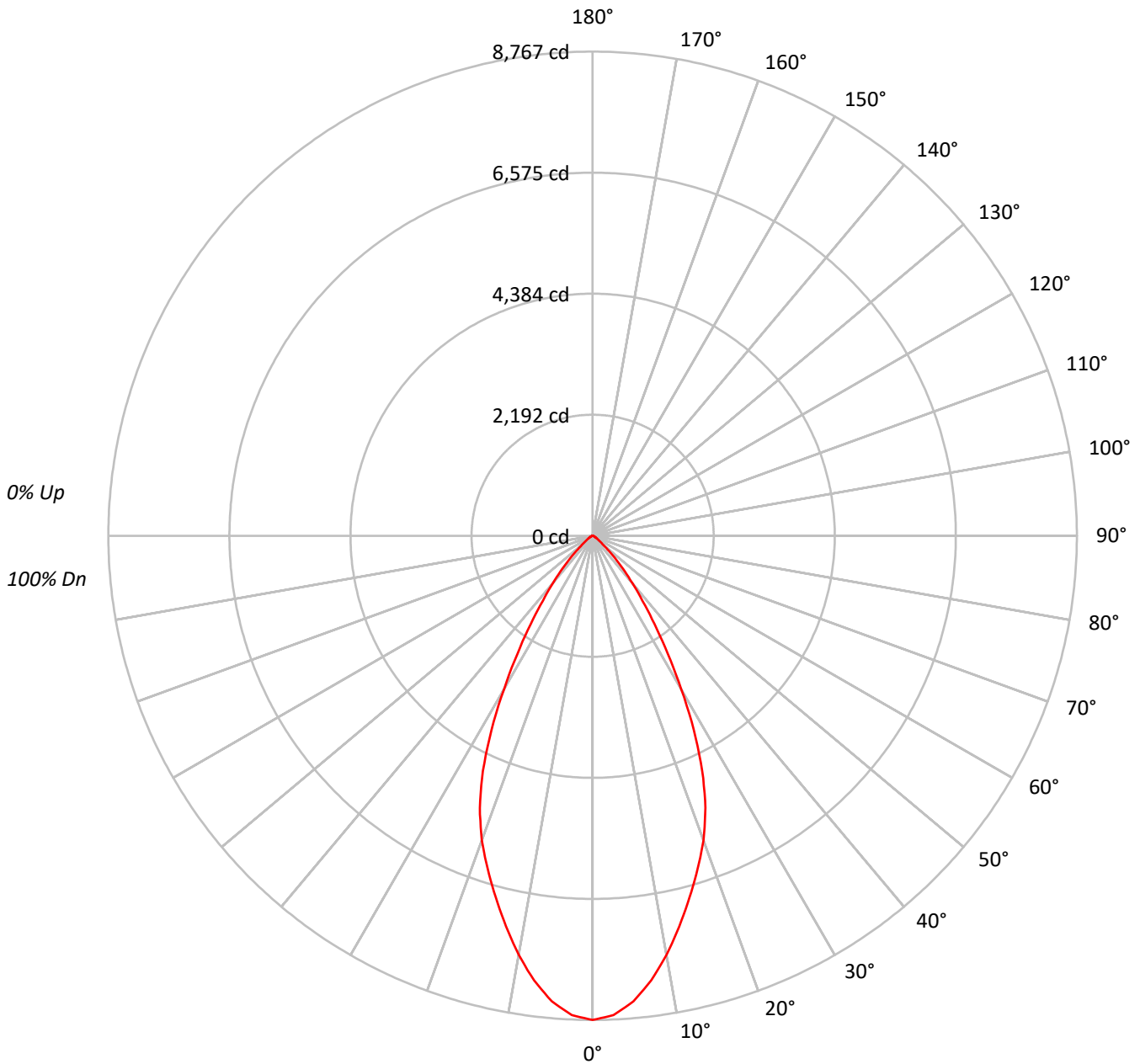
Lumens per Lamp: N/A
Luminaire Lumens: 6669.9 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93																			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	480597
5°	465721
10°	428850
15°	384650
20°	342248
25°	284212
30°	203050
35°	130520
40°	79535
45°	44214
50°	19590
55°	11345
60°	7467
65°	5305
70°	3751
75°	2881
80°	1831
85°	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	783.4	11.7
10°-20°	1896.2	28.4
20°-30°	2108.7	31.6
30°-40°	1249.5	18.7
40°-50°	457.7	6.9
50°-60°	115.0	1.7
60°-70°	42.0	0.6
70°-80°	14.6	0.2
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°	4788.3	71.8
0°-40°	6037.7	90.5
0°-60°	6610.5	99.1
0°-90°	6669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6669.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8767	
5°	8463	783
15°	6778	1896
25°	4699	2109
35°	1950	1249
45°	570	458
55°	119	115
65°	41	42
75°	14	15
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8766.8
2.5°	8688.9
5°	8463.1
7.5°	8120.5
10°	7704.0
12.5°	7244.6
15°	6777.5
17.5°	6324.0
20°	5866.6
22.5°	5335.2
25°	4698.7
27.5°	3966.8
30°	3207.7
32.5°	2528.4
35°	1950.3
37.5°	1481.2
40°	1111.4
42.5°	809.7
45°	570.3
47.5°	362.0
50°	229.7
52.5°	161.6
55°	118.7
57.5°	89.5
60°	68.1
62.5°	52.6
65°	40.9
67.5°	31.1
70°	23.4
72.5°	17.5
75°	13.6
77.5°	9.7
80°	5.8
82.5°	3.9
85°	1.9
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)