

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: P685048

Luminaire Tested: **LX6C05D010 EX6059035 6LBNLI**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P685048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6059035 6LBNLI
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

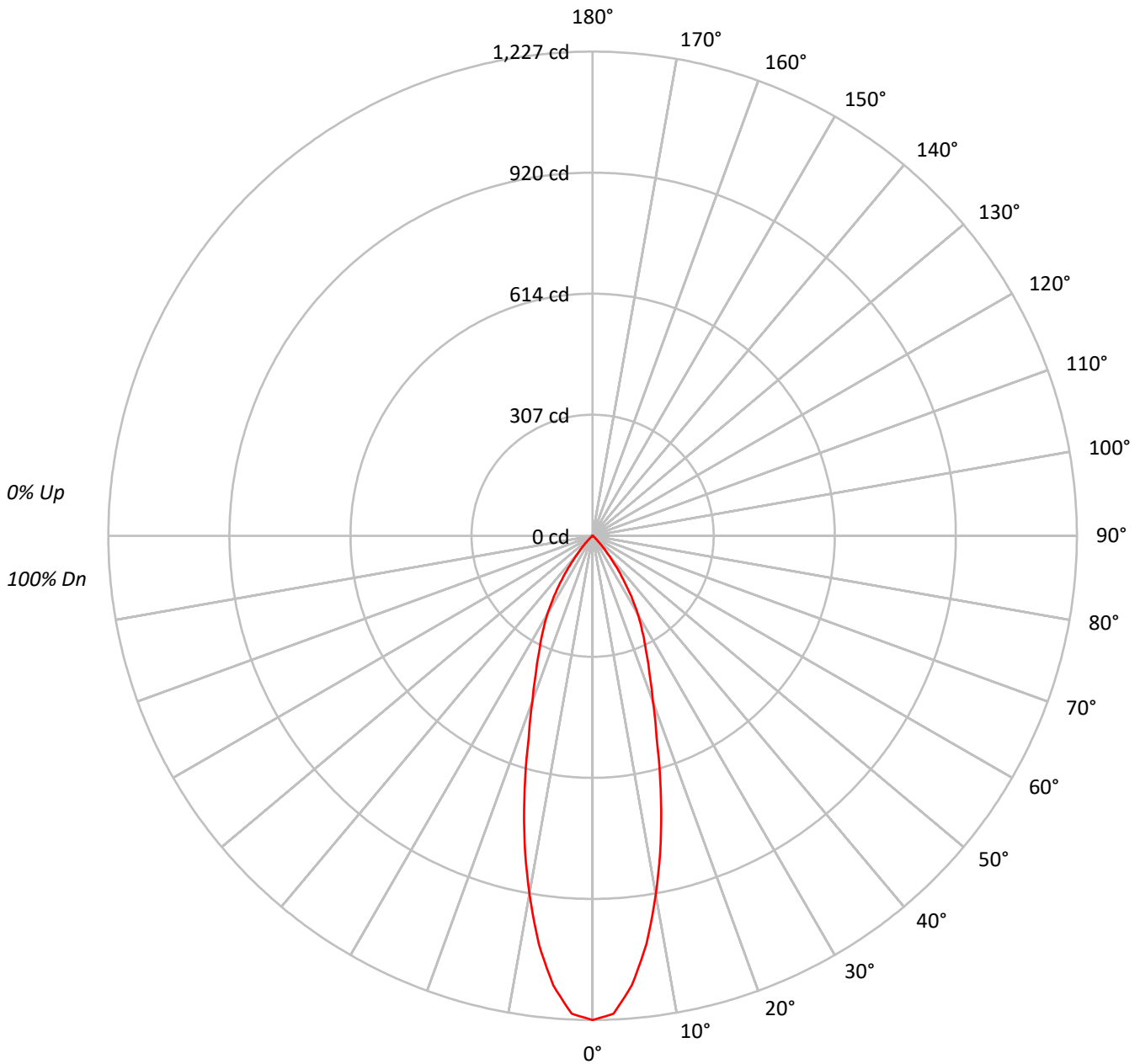
Lumens per Lamp: N/A
Luminaire Lumens: 539.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85			85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76			76
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72			72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68			68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67275
5°	62915
10°	51313
15°	37758
20°	26025
25°	19320
30°	14515
35°	9048
40°	4394
45°	1504
50°	196
55°	153
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	18.9
10°-20°	183.1	34.0
20°-30°	148.1	27.5
30°-40°	85.3	15.8
40°-50°	18.0	3.3
50°-60°	1.6	0.3
60°-70°	0.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	433.2	80.4
0°-40°	518.5	96.2
0°-60°	538.1	99.8
0°-90°	539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1227	
5°	1143	102
15°	665	183
25°	319	148
35°	135	85
45°	19	18
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1227.2
2.5°	1212.4
5°	1143.3
7.5°	1043.8
10°	921.8
12.5°	796.6
15°	665.3
17.5°	538.6
20°	446.1
22.5°	375.4
25°	319.4
27.5°	272.0
30°	229.3
32.5°	181.9
35°	135.2
37.5°	94.0
40°	61.4
42.5°	37.3
45°	19.4
47.5°	7.8
50°	2.3
52.5°	2.3
55°	1.6
57.5°	1.6
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)