

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: P582955

Luminaire Tested: **LX6C20D010 EU6209035 6LBHYLI**

Issue Date: 8/31/2023

Test Information

Test Method: LM-79-08
Report Number: P582955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/31/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C20D010 EU6209035 6LBHYLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

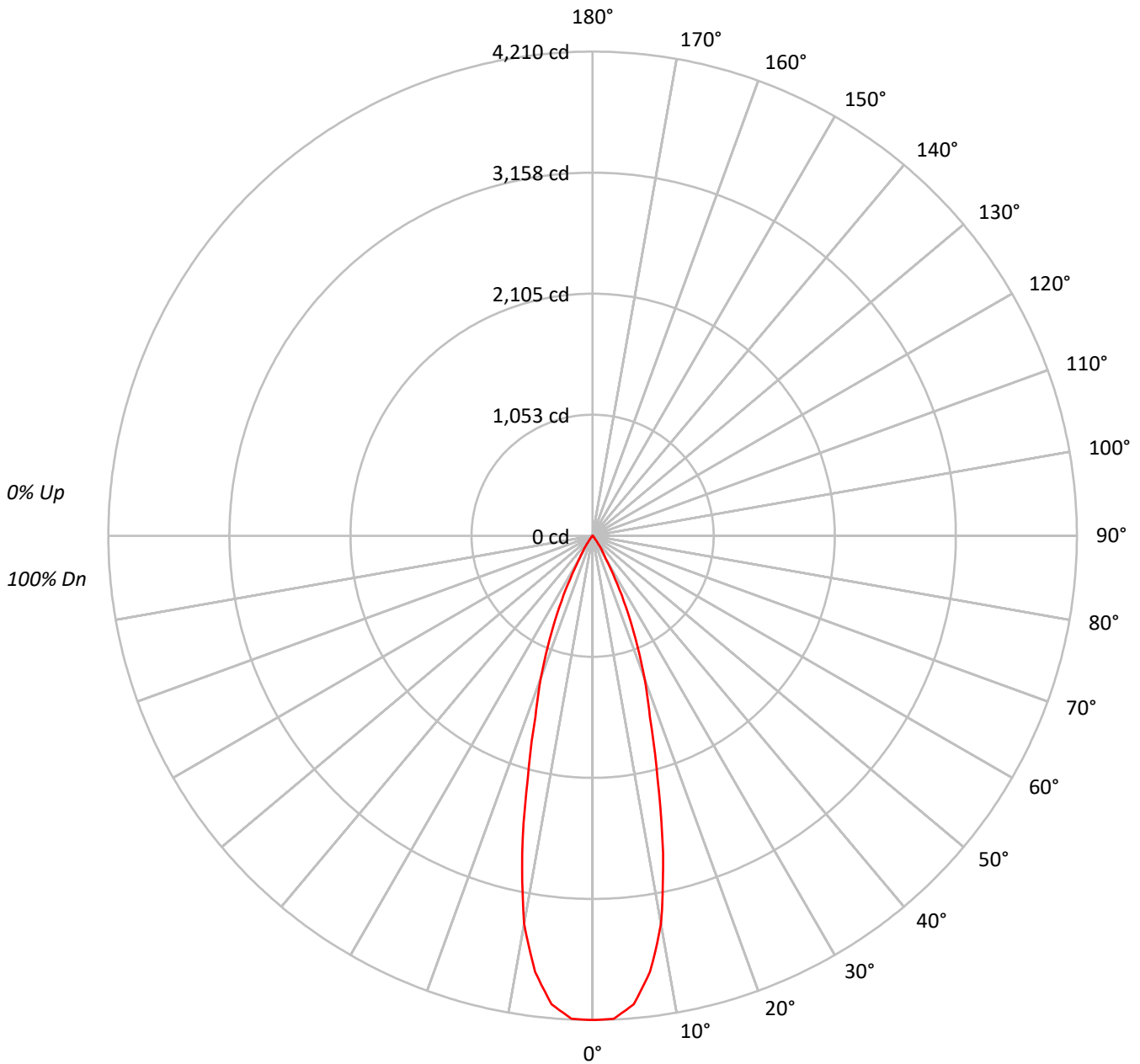
Lumens per Lamp: N/A
Luminaire Lumens: 1361.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89			89
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85			85
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82			82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76			76
8	91	83	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74			74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71			71
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69			69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230804
5°	224977
10°	190739
15°	123627
20°	76773
25°	41325
30°	14205
35°	5722
40°	1531
45°	682
50°	264
55°	124
60°	66
65°	78
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.7	27.1
10°-20°	608.2	44.7
20°-30°	315.3	23.2
30°-40°	59.7	4.4
40°-50°	7.5	0.6
50°-60°	1.1	0.1
60°-70°	0.4	0.0
70°-80°	0.0	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°	1292.3	94.9
0°-40°	1352.0	99.3
0°-60°	1360.6	100.0
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4210	
5°	4088	369
15°	2178	608
25°	683	315
35°	86	60
45°	9	8
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4210.2
2.5°	4203.3
5°	4088.3
7.5°	3824.3
10°	3426.5
12.5°	2827.5
15°	2178.3
17.5°	1654.2
20°	1316.0
22.5°	981.1
25°	683.2
27.5°	419.8
30°	224.4
32.5°	151.5
35°	85.5
37.5°	37.1
40°	21.4
42.5°	13.8
45°	8.8
47.5°	5.0
50°	3.1
52.5°	1.3
55°	1.3
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.0
70°	0.0
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)