

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: P857232

Luminaire Tested: **LX4C20D010 EX4C209827 4LBNH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C20D010 EX4C209827 4LBNH
Description:
Light Source: -
Ballast/Driver: -

Summary

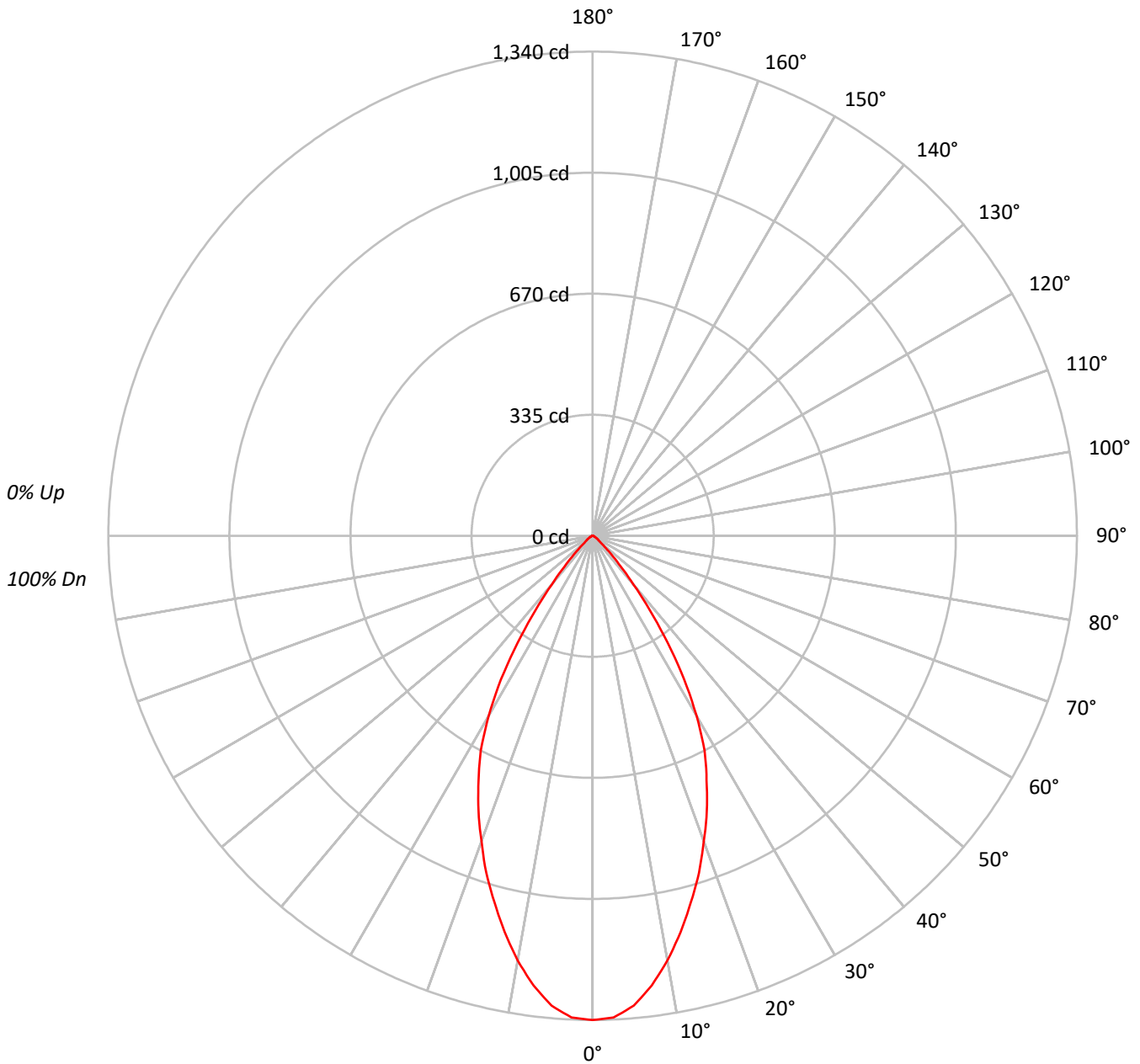
Lumens per Lamp: N/A
Luminaire Lumens: 1067.4 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P857232

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBNH

Luminous Intensity Polar Plot





TEST NUMBER: P857232

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBNH

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	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	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164648
5°	160973
10°	148850
15°	133559
20°	117560
25°	101177
30°	81484
35°	54246
40°	28210
45°	12770
50°	5543
55°	3727
60°	2383
65°	1686
70°	1365
75°	949
80°	0
85°	0



TEST NUMBER: P857232

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBNH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	11.3
10°-20°	293.3	27.5
20°-30°	340.5	31.9
30°-40°	225.5	21.1
40°-50°	63.2	5.9
50°-60°	15.9	1.5
60°-70°	6.0	0.6
70°-80°	2.1	0.2
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°	754.7	70.7
0°-40°	980.2	91.8
0°-60°	1059.4	99.2
0°-90°	1067.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1340	
5°	1305	121
15°	1050	293
25°	746	341
35°	362	225
45°	74	63
55°	17	16
65°	6	6
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P857232

CATALOG NUMBER: LX4C20D010 EX4C209827 4LBNH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1340.2
2.5°	1334.4
5°	1305.3
7.5°	1255.0
10°	1193.2
12.5°	1123.5
15°	1050.1
17.5°	978.5
20°	899.2
22.5°	825.8
25°	746.4
27.5°	671.0
30°	574.4
32.5°	471.8
35°	361.7
37.5°	259.1
40°	175.9
42.5°	114.1
45°	73.5
47.5°	44.5
50°	29.0
52.5°	21.2
55°	17.4
57.5°	13.6
60°	9.7
62.5°	7.8
65°	5.8
67.5°	3.8
70°	3.8
72.5°	2.0
75°	2.0
77.5°	2.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)