

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: P857315

Luminaire Tested: **LX4C20D010 EX4C209030 4LBWH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P857315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C20D010 EX4C209030 4LBWH
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

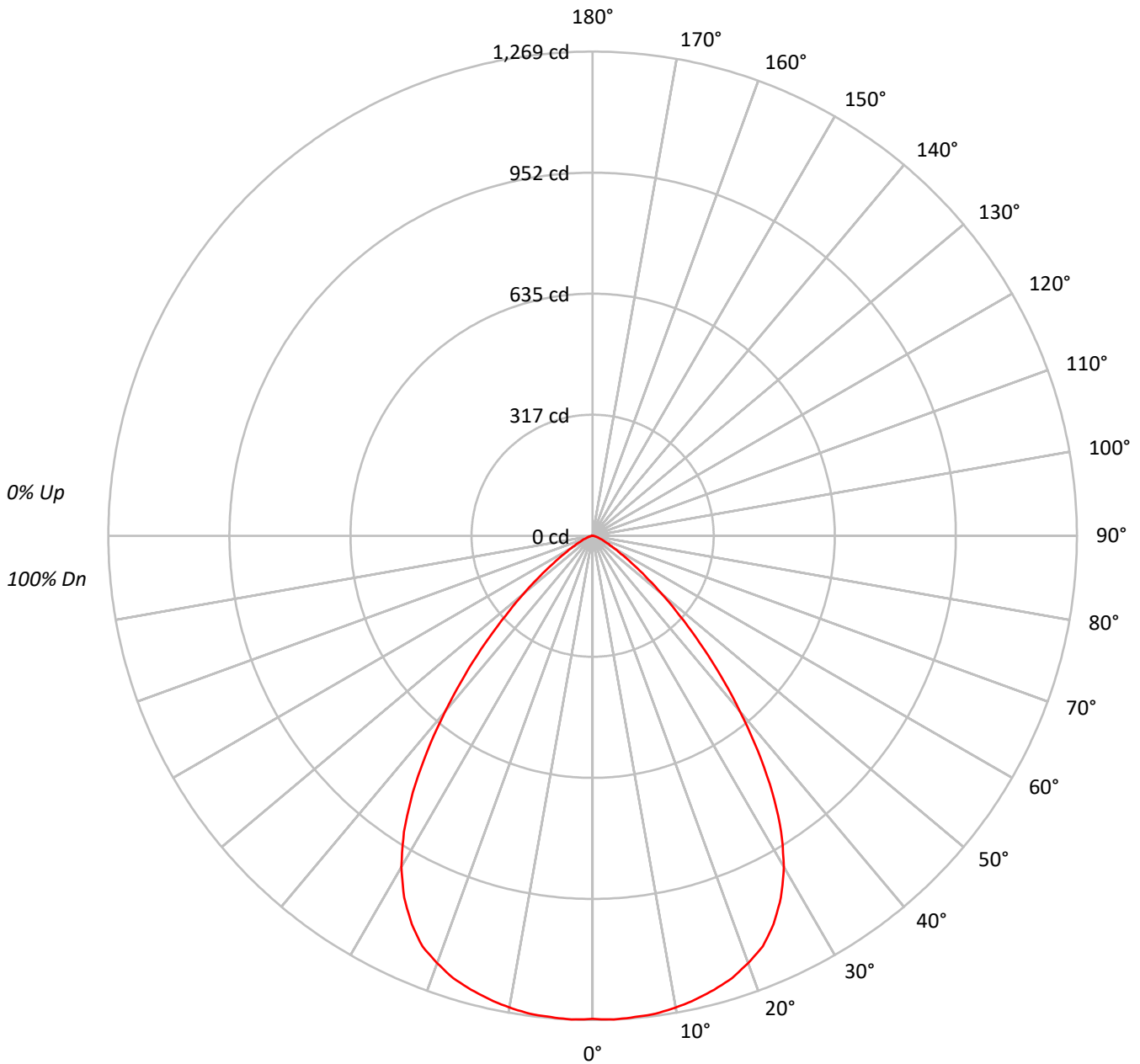
Lumens per Lamp: N/A
Luminaire Lumens: 1964.5 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	155569
5°	156164
10°	156634
15°	156644
20°	155787
25°	152146
30°	142185
35°	123131
40°	96176
45°	69027
50°	44838
55°	26838
60°	15725
65°	10087
70°	6681
75°	5031
80°	3750
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	6.1
10°-20°	347.5	17.7
20°-30°	512.7	26.1
30°-40°	506.0	25.8
40°-50°	309.6	15.8
50°-60°	118.7	6.0
60°-70°	37.1	1.9
70°-80°	10.8	0.6
80°-90°	1.5	0.1
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°	980.8	49.9
0°-40°	1486.8	75.7
0°-60°	1915.1	97.5
0°-90°	1964.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1964.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1266	
5°	1266	121
15°	1232	347
25°	1122	513
35°	821	506
45°	397	310
55°	125	119
65°	35	37
75°	11	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1266.3
2.5°	1269.1
5°	1266.3
7.5°	1263.6
10°	1255.6
12.5°	1245.0
15°	1231.6
17.5°	1215.6
20°	1191.6
22.5°	1165.1
25°	1122.4
27.5°	1068.9
30°	1002.3
32.5°	919.8
35°	821.0
37.5°	711.7
40°	599.7
42.5°	495.8
45°	397.3
47.5°	309.1
50°	234.6
52.5°	173.3
55°	125.3
57.5°	87.9
60°	64.0
62.5°	48.0
65°	34.7
67.5°	26.7
70°	18.6
72.5°	13.3
75°	10.6
77.5°	5.3
80°	5.3
82.5°	2.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)