

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: P858266

Luminaire Tested: **LX4C45D010 EX4C459850 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P858266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C45D010 EX4C459850 4LBSH
Description:
Light Source: -
Ballast/Driver: -

Summary

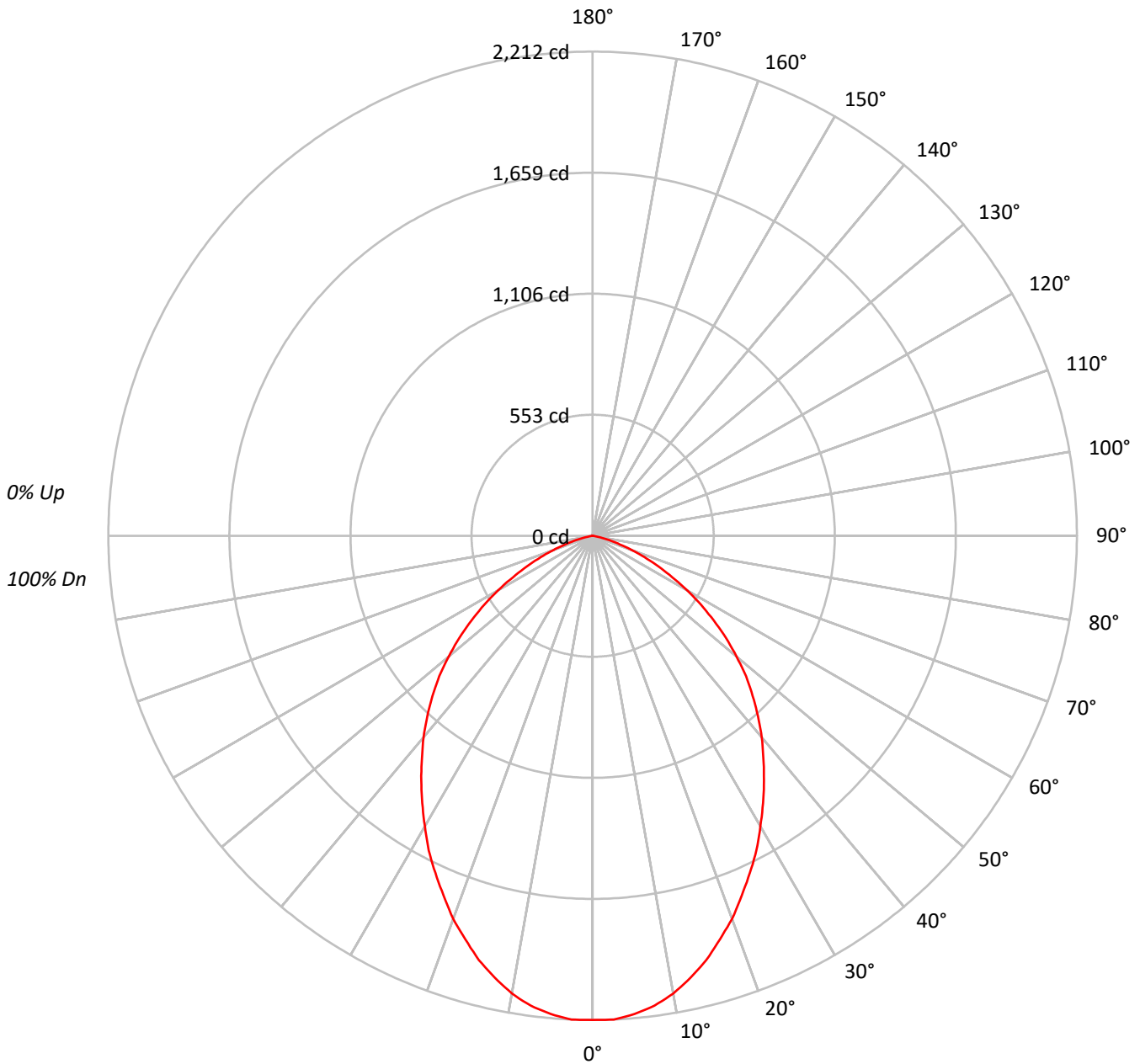
Lumens per Lamp: N/A
Luminaire Lumens: 4229.5 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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

TEST NUMBER: P858266

CATALOG NUMBER: LX4C45D010 EX4C459850 4LBSH

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271764
5°	270496
10°	264916
15°	255278
20°	243539
25°	230401
30°	217342
35°	204643
40°	192673
45°	179613
50°	163776
55°	144641
60°	122436
65°	96133
70°	68607
75°	37594
80°	6650
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	4.9
10°-20°	563.2	13.3
20°-30°	782.1	18.5
30°-40°	853.4	20.2
40°-50°	796.1	18.8
50°-60°	604.3	14.3
60°-70°	330.9	7.8
70°-80°	91.1	2.2
80°-90°	1.3	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°	1552.5	36.7
0°-40°	2405.9	56.9
0°-60°	3806.3	90.0
0°-90°	4229.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4229.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2212	
5°	2193	207
15°	2007	563
25°	1700	782
35°	1364	853
45°	1034	796
55°	675	604
65°	331	331
75°	79	91
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2212.1
2.5°	2212.1
5°	2193.4
7.5°	2165.5
10°	2123.6
12.5°	2067.7
15°	2007.1
17.5°	1932.7
20°	1862.8
22.5°	1778.9
25°	1699.7
27.5°	1620.7
30°	1532.1
32.5°	1448.3
35°	1364.5
37.5°	1280.6
40°	1201.4
42.5°	1117.6
45°	1033.8
47.5°	950.0
50°	856.9
52.5°	768.3
55°	675.3
57.5°	586.8
60°	498.3
62.5°	409.8
65°	330.7
67.5°	256.1
70°	191.0
72.5°	130.4
75°	79.2
77.5°	37.2
80°	9.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)