

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: P684156

Luminaire Tested: **LX6C25D010 EX6C259040 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C25D010 EX6C259040 6LBSH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

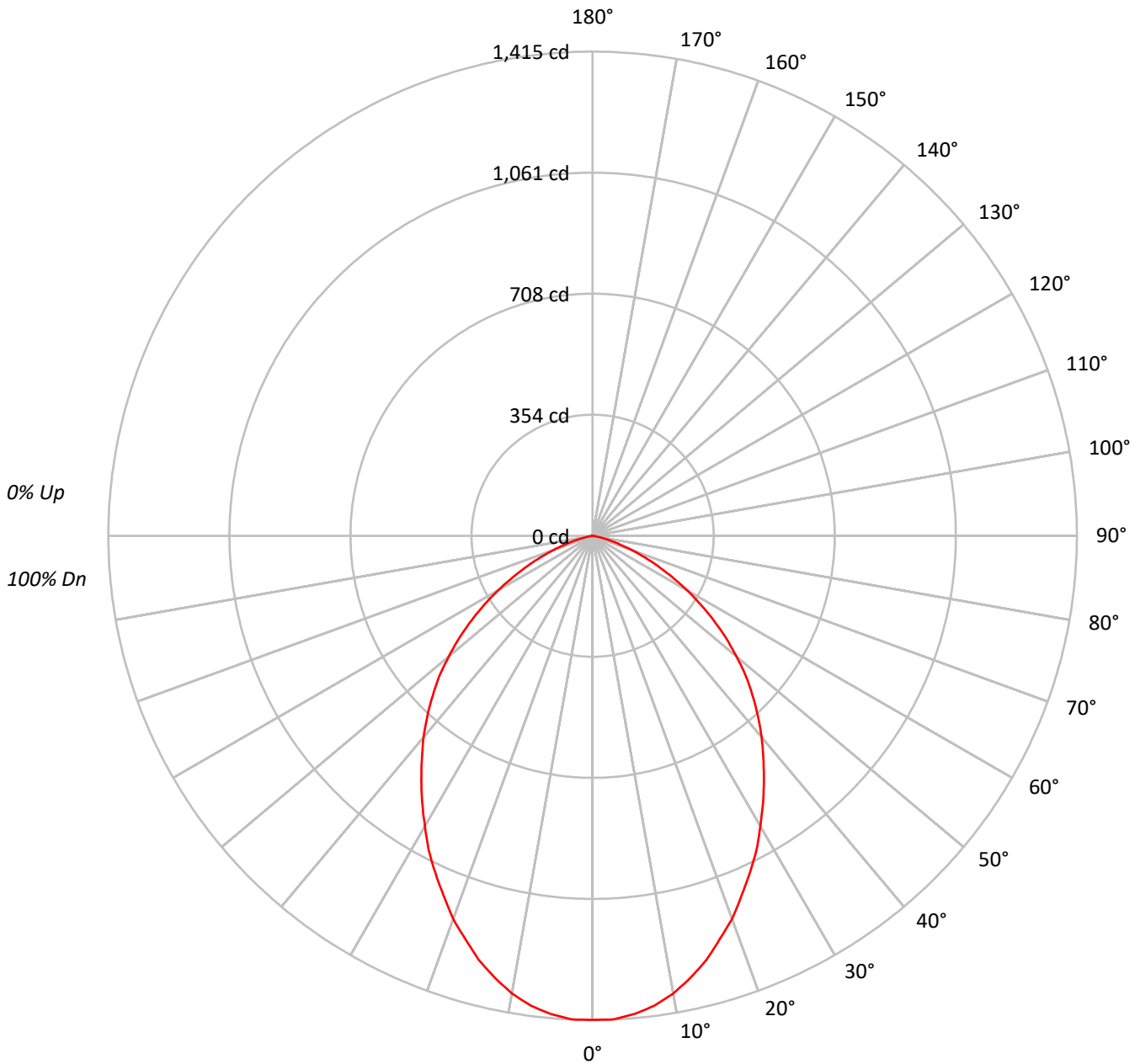
Lumens per Lamp: N/A
Luminaire Lumens: 2705.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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: P684156

CATALOG NUMBER: LX6C25D010 EX6C259040 6LBSH

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°	77554
5°	77195
10°	75600
15°	72849
20°	69499
25°	65756
30°	62022
35°	58404
40°	54989
45°	51261
50°	46736
55°	41279
60°	34942
65°	27435
70°	19571
75°	10718
80°	1894
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	4.9
10°-20°	360.2	13.3
20°-30°	500.2	18.5
30°-40°	545.8	20.2
40°-50°	509.2	18.8
50°-60°	386.5	14.3
60°-70°	211.6	7.8
70°-80°	58.2	2.2
80°-90°	0.8	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°	992.9	36.7
0°-40°	1538.7	56.9
0°-60°	2434.4	90.0
0°-90°	2705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1415	
5°	1403	133
15°	1284	360
25°	1087	500
35°	873	546
45°	661	509
55°	432	386
65°	212	212
75°	51	58
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1414.7
2.5°	1414.7
5°	1402.8
7.5°	1384.9
10°	1358.1
12.5°	1322.4
15°	1283.6
17.5°	1236.0
20°	1191.3
22.5°	1137.7
25°	1087.1
27.5°	1036.5
30°	979.8
32.5°	926.2
35°	872.7
37.5°	819.1
40°	768.4
42.5°	714.8
45°	661.2
47.5°	607.6
50°	548.0
52.5°	491.4
55°	431.9
57.5°	375.3
60°	318.7
62.5°	262.1
65°	211.5
67.5°	163.8
70°	122.1
72.5°	83.4
75°	50.6
77.5°	23.9
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)