

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: P563965

Luminaire Tested: **LX6C50D010 EX6C509030 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563965
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: LX6C50D010 EX6C509030 6LBSH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

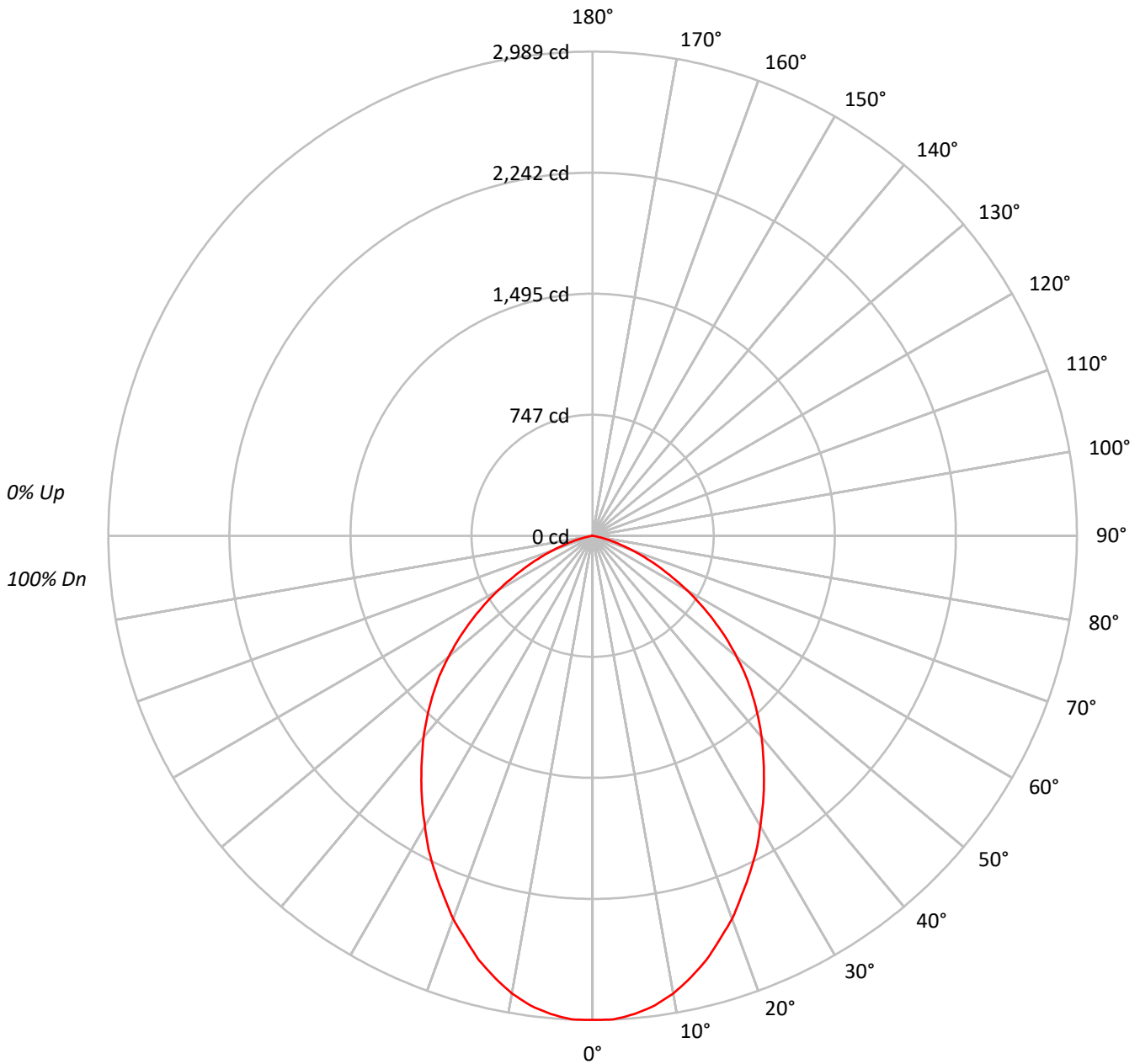
Lumens per Lamp: N/A
Luminaire Lumens: 5714.7 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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									
RC	80									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°	163841
5°	163080
10°	159711
15°	153911
20°	146832
25°	138915
30°	131033
35°	123379
40°	116168
45°	108290
50°	98743
55°	87204
60°	73810
65°	57957
70°	41353
75°	22664
80°	3978
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.9	4.9
10°-20°	760.9	13.3
20°-30°	1056.7	18.5
30°-40°	1153.1	20.2
40°-50°	1075.7	18.8
50°-60°	816.5	14.3
60°-70°	447.1	7.8
70°-80°	123.0	2.2
80°-90°	1.7	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°	2097.5	36.7
0°-40°	3250.7	56.9
0°-60°	5142.8	90.0
0°-90°	5714.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5714.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2989	
5°	2964	280
15°	2712	761
25°	2297	1057
35°	1844	1153
45°	1397	1076
55°	912	816
65°	447	447
75°	107	123
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2988.7
2.5°	2988.7
5°	2963.5
7.5°	2925.8
10°	2869.1
12.5°	2793.6
15°	2711.9
17.5°	2611.2
20°	2516.9
22.5°	2403.5
25°	2296.6
27.5°	2189.6
30°	2070.0
32.5°	1956.8
35°	1843.6
37.5°	1730.4
40°	1623.3
42.5°	1510.1
45°	1396.8
47.5°	1283.5
50°	1157.8
52.5°	1038.2
55°	912.4
57.5°	792.8
60°	673.2
62.5°	553.8
65°	446.8
67.5°	346.1
70°	258.0
72.5°	176.2
75°	107.0
77.5°	50.4
80°	12.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)