

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: P568286

Luminaire Tested: **LD6C150D010 EU61509027 6LBWH**

Issue Date: 10/10/2022

Test Information

Test Method: LM-79-08
Report Number: P568286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 10/10/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C150D010 EU61509027 6LBWH
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

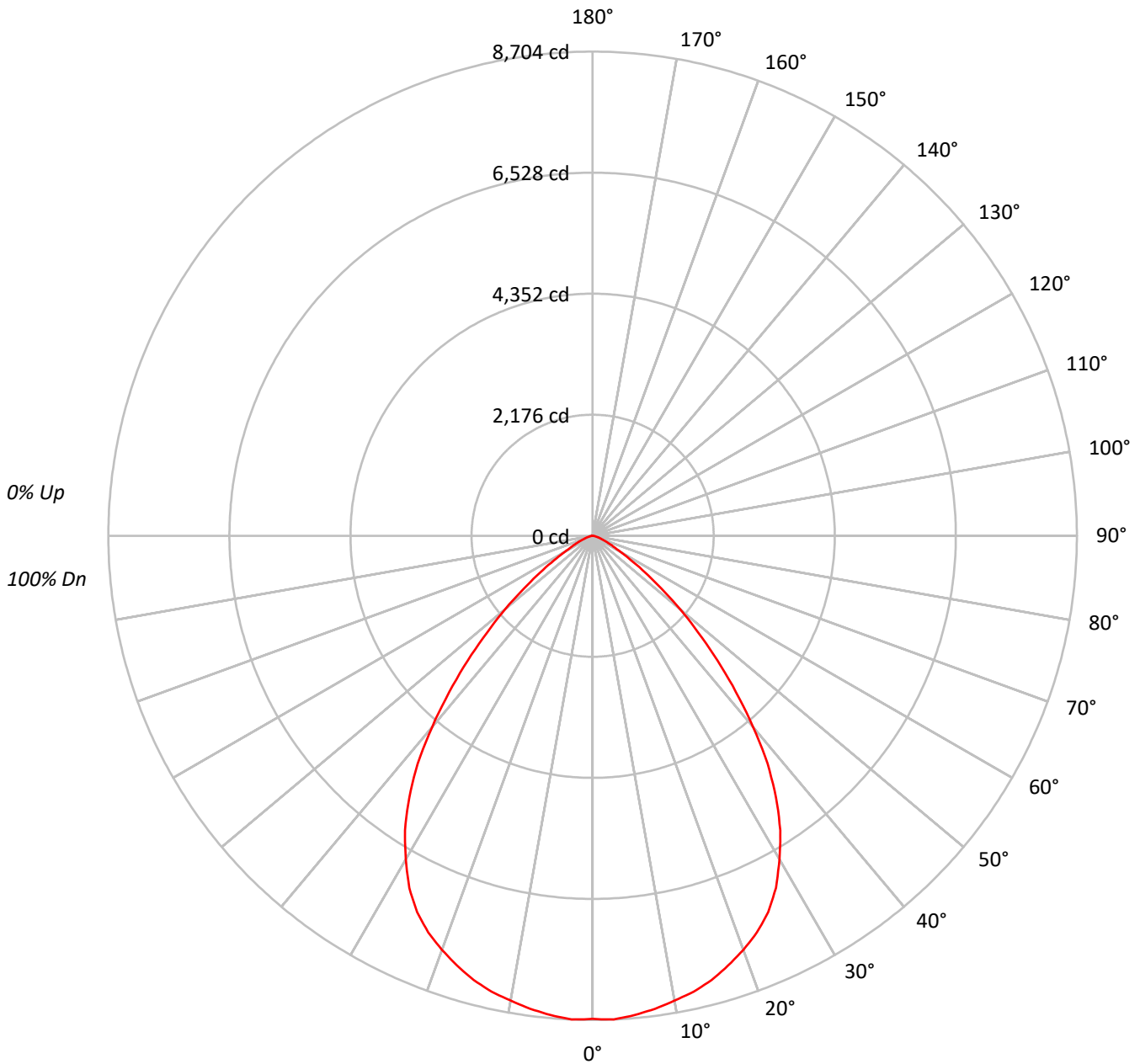
Lumens per Lamp: N/A
Luminaire Lumens: 14083.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 171.1
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	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	476163
5°	475995
10°	472330
15°	469168
20°	462023
25°	451466
30°	425084
35°	384701
40°	321238
45°	246150
50°	174323
55°	109903
60°	62002
65°	40251
70°	26286
75°	19317
80°	11586
85°	11573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.4	5.8
10°-20°	2327.9	16.5
20°-30°	3413.2	24.2
30°-40°	3552.3	25.2
40°-50°	2457.7	17.5
50°-60°	1070.1	7.6
60°-70°	328.2	2.3
70°-80°	98.4	0.7
80°-90°	15.0	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°	6561.5	46.6
0°-40°	10113.8	71.8
0°-60°	13641.5	96.9
0°-90°	14083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8686	
5°	8650	820
15°	8267	2328
25°	7464	3413
35°	5748	3552
45°	3175	2458
55°	1150	1070
65°	310	328
75°	91	98
85°	18	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8685.9
2.5°	8704.2
5°	8649.8
7.5°	8577.0
10°	8485.1
12.5°	8394.0
15°	8266.7
17.5°	8102.1
20°	7919.7
22.5°	7719.0
25°	7463.8
27.5°	7135.1
30°	6715.3
32.5°	6277.1
35°	5748.4
37.5°	5164.6
40°	4488.9
42.5°	3813.9
45°	3175.0
47.5°	2572.8
50°	2044.0
52.5°	1551.4
55°	1149.9
57.5°	821.3
60°	565.5
62.5°	419.8
65°	310.3
67.5°	237.5
70°	164.0
72.5°	127.9
75°	91.2
77.5°	54.4
80°	36.7
82.5°	18.4
85°	18.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)