

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: P#

Luminaire Tested: **LX6C130D010 EX6C1309050 6LCSQWH**

Issue Date: 2/16/2022

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309050 6LCSQWH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

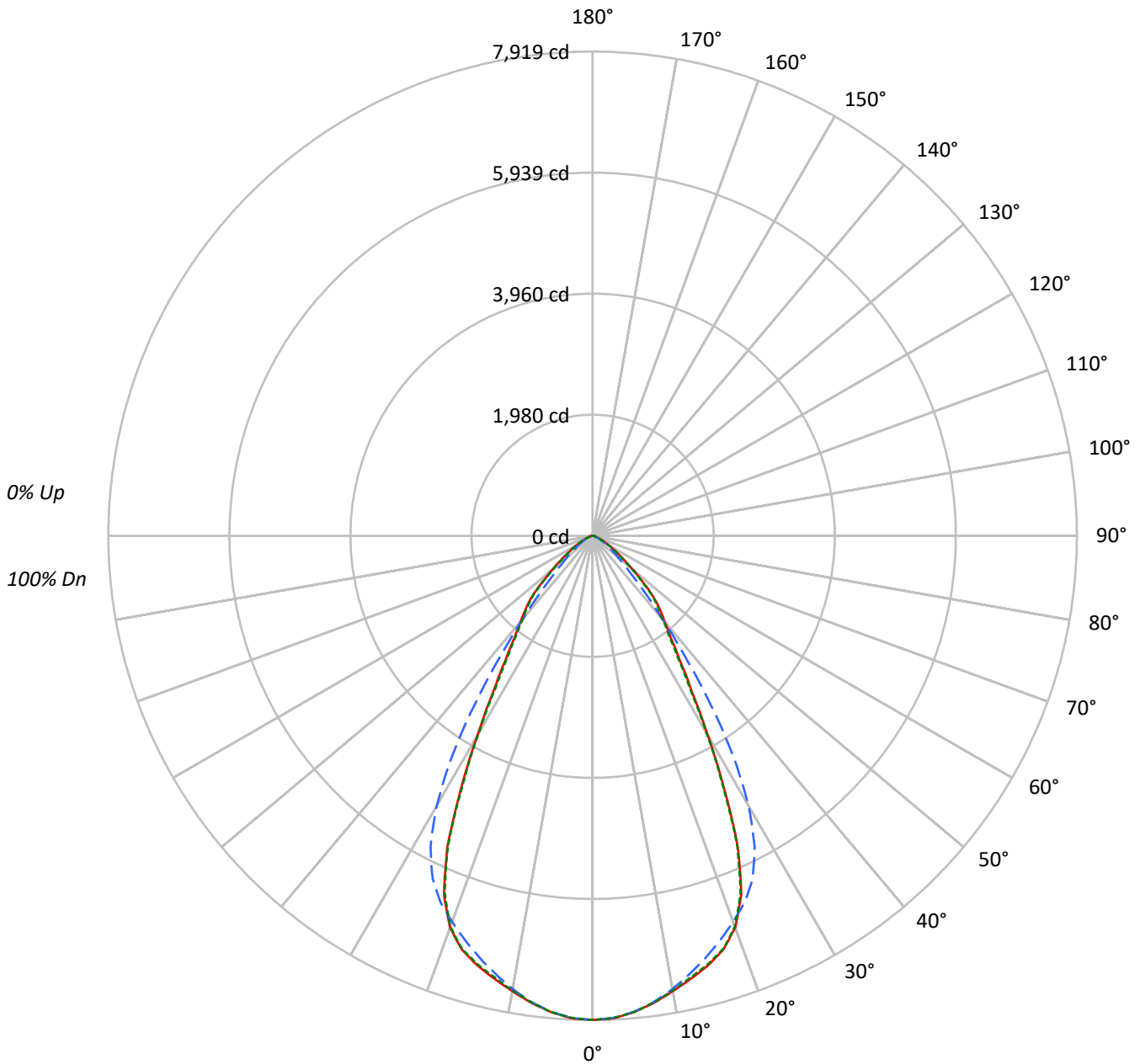
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8675.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92				
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84				
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77				
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71				71				
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65				65				
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				60				
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56				56				
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52				52				
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48				48				
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	340975	340975	340975
5°	337921	337687	337921
10°	330640	329088	330164
15°	324355	318529	323504
20°	312324	307830	311697
25°	266902	294071	265610
30°	186844	253593	185218
35°	130546	176348	127540
40°	102861	98882	99950
45°	84899	55550	83577
50°	56915	35206	54906
55°	37615	24126	35776
60°	25325	16413	23922
65°	16922	11380	15812
70°	11317	8233	10625
75°	7253	5889	6787
80°	4736	4736	4736
85°	4051	4051	4051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.3	8.5
10°-20°	2027.1	23.4
20°-30°	2619.7	30.2
30°-40°	1773.6	20.4
40°-50°	933.2	10.8
50°-60°	390.6	4.5
60°-70°	140.1	1.6
70°-80°	43.5	0.5
80°-90°	9.8	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°	5384.1	62.1
0°-40°	7157.7	82.5
0°-60°	8481.5	97.8
0°-90°	8675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7919	7919	7919	7919	7919	
5°	7819	7816	7813	7816	7819	738
15°	7277	7209	7146	7195	7258	2044
25°	5618	5855	6190	5855	5591	2493
35°	2484	2677	3355	2636	2426	1608
45°	1394	1277	912	1253	1373	1045
55°	501	428	321	419	477	469
65°	166	133	112	131	155	173
75°	44	38	35	35	41	50
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7919.4	7919.4	7919.4	7919.4	7919.4
2.5°	7900.3	7892.2	7889.4	7892.2	7892.2
5°	7818.6	7815.9	7813.2	7815.9	7818.6
7.5°	7704.3	7696.1	7690.6	7690.6	7693.4
10°	7562.7	7549.0	7527.2	7540.9	7551.8
12.5°	7421.0	7388.4	7339.3	7372.0	7399.3
15°	7276.7	7208.6	7146.0	7195.0	7257.6
17.5°	7099.7	7031.6	6933.6	7018.0	7088.8
20°	6816.5	6775.6	6718.4	6775.6	6802.8
22.5°	6350.8	6399.8	6492.4	6391.6	6318.1
25°	5618.2	5855.1	6190.1	5855.1	5591.0
27.5°	4656.9	5068.1	5740.8	5035.4	4616.0
30°	3758.2	4164.0	5100.8	4166.7	3725.5
32.5°	3017.4	3341.5	4286.5	3295.2	2954.8
35°	2483.7	2677.0	3355.1	2636.2	2426.5
37.5°	2091.5	2154.1	2456.4	2118.7	2047.9
40°	1830.1	1778.3	1759.3	1751.1	1778.3
42.5°	1623.1	1500.5	1274.5	1470.6	1574.1
45°	1394.3	1277.2	912.3	1252.7	1372.6
47.5°	1097.5	1048.5	678.1	1026.7	1059.4
50°	849.7	784.3	525.6	770.7	819.7
52.5°	653.6	580.1	413.9	561.0	620.9
55°	501.1	427.6	321.4	419.4	476.6
57.5°	386.7	321.4	247.8	310.5	367.6
60°	294.1	242.4	190.6	231.5	277.8
62.5°	220.6	179.7	147.1	174.3	209.7
65°	166.1	133.4	111.7	130.7	155.2
67.5°	122.5	100.8	84.4	95.3	114.4
70°	89.9	73.5	65.4	70.8	84.4
72.5°	62.6	54.5	49.0	51.7	57.2
75°	43.6	38.1	35.4	35.4	40.8
77.5°	30.0	27.2	24.5	27.2	30.0
80°	19.1	19.1	19.1	19.1	19.1
82.5°	13.6	13.6	13.6	13.6	10.9
85°	8.2	8.2	8.2	8.2	8.2
87.5°	5.4	5.4	5.4	5.4	2.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)