

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: P799948

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C60D010 EU6609050 6LBMDSWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

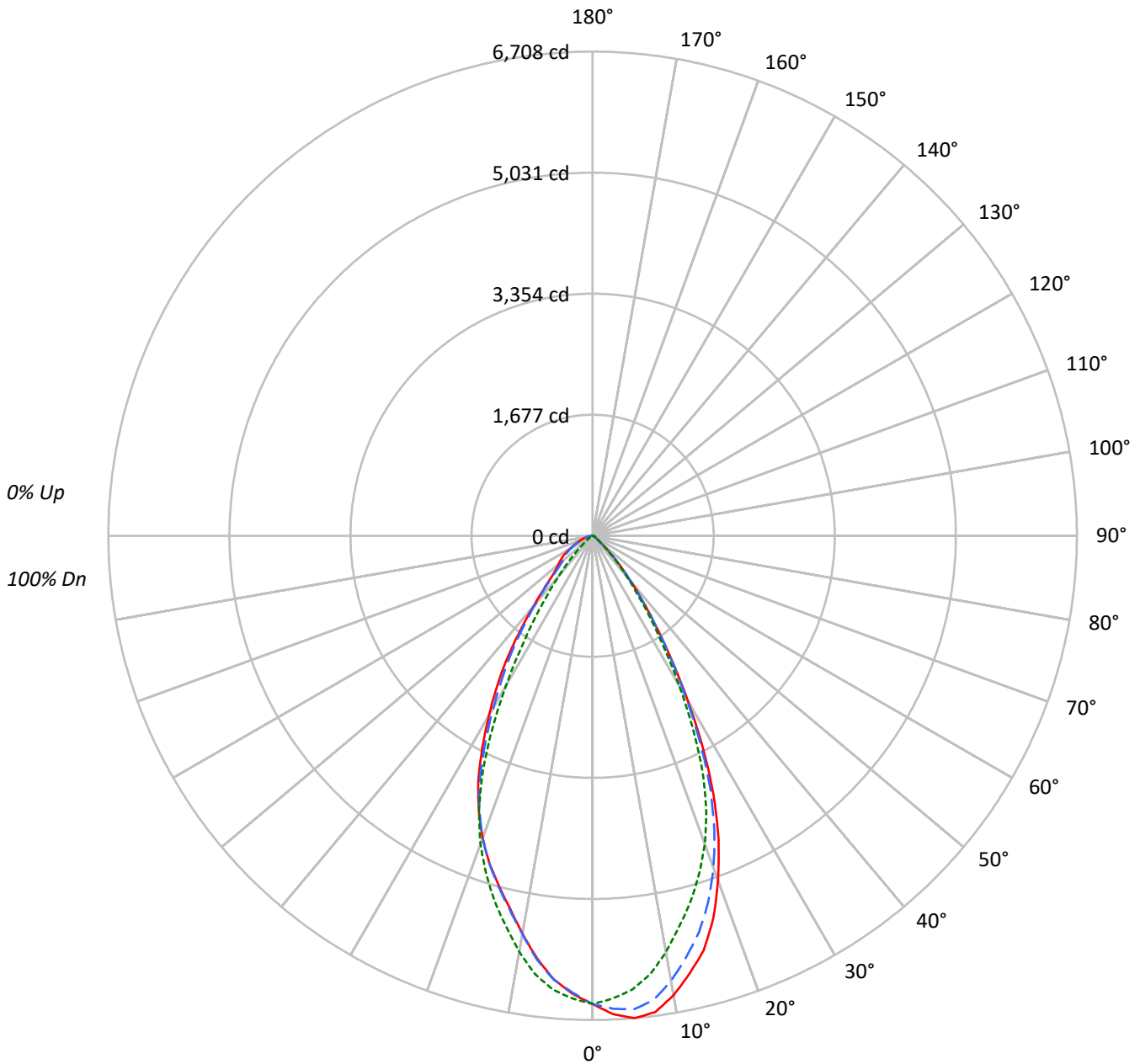
Lumens per Lamp: N/A
Luminaire Lumens: 5585.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V): NR
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	355613	355613	355613
5°	369138	347270	339417
10°	359696	325734	311406
15°	337346	297641	284775
20°	296155	264973	259909
25°	239524	217688	226658
30°	166519	151637	181401
35°	102633	92896	136905
40°	58080	52069	90920
45°	28204	26902	62053
50°	10737	10737	52749
55°	5887	6958	48677
60°	4298	5526	39887
65°	3632	4722	32675
70°	3142	4039	26912
75°	2965	4151	23108
80°	1768	3536	16795
85°	1761	7045	15851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.9	10.6
10°-20°	1492.6	26.7
20°-30°	1680.2	30.1
30°-40°	1040.4	18.6
40°-50°	414.3	7.4
50°-60°	188.6	3.4
60°-70°	108.4	1.9
70°-80°	51.5	0.9
80°-90°	15.0	0.3
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°	3766.7	67.4
0°-40°	4807.1	86.1
0°-60°	5410.1	96.9
0°-90°	5585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5585.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6487	6487	6487	6487	6487	
5°	6708	6585	6311	6174	6168	632
15°	5944	5686	5244	5032	5018	1644
25°	3960	3854	3599	3688	3747	1780
35°	1534	1525	1388	1934	2046	986
45°	364	364	347	756	800	308
55°	62	59	73	448	509	61
65°	28	25	36	249	252	27
75°	14	14	20	106	109	14
85°	3	3	11	25	25	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6486.9	6486.9	6486.9	6486.9	6486.9	6486.9	6486.9	6486.9	6486.9
2.5°	6635.2	6573.7	6559.7	6506.5	6416.9	6366.6	6335.8	6313.4	6352.6
5°	6708.0	6640.8	6584.9	6475.7	6310.6	6218.3	6173.5	6137.1	6167.9
7.5°	6654.8	6559.7	6484.1	6333.0	6123.1	5980.4	5918.8	5876.8	5904.8
10°	6461.7	6347.0	6260.2	6081.1	5851.6	5680.9	5605.4	5566.2	5594.2
12.5°	6209.9	6114.7	5983.2	5787.3	5541.0	5361.9	5305.9	5275.2	5286.4
15°	5944.0	5832.1	5686.5	5490.6	5244.4	5065.3	5031.7	5012.1	5017.7
17.5°	5557.8	5448.7	5322.7	5132.4	4905.8	4760.2	4760.2	4746.2	4754.6
20°	5076.5	5017.7	4894.6	4735.0	4542.0	4410.4	4452.4	4438.4	4455.2
22.5°	4555.9	4511.2	4404.8	4273.3	4111.0	4007.4	4099.8	4097.0	4119.4
25°	3959.9	3926.3	3853.5	3741.6	3598.9	3534.5	3688.4	3688.4	3747.2
27.5°	3302.2	3268.6	3218.3	3123.1	3005.6	2986.0	3212.7	3240.7	3305.0
30°	2630.6	2608.2	2580.2	2493.5	2395.5	2431.9	2745.3	2792.9	2865.7
32.5°	2031.7	2017.7	2009.3	1931.0	1844.2	1964.5	2322.7	2384.3	2457.1
35°	1533.6	1502.8	1525.2	1466.4	1388.1	1539.2	1933.8	1986.9	2045.7
37.5°	1130.6	1108.2	1127.8	1085.8	1015.9	1181.0	1553.2	1586.7	1625.9
40°	811.6	792.0	808.8	783.6	727.6	881.5	1217.3	1253.7	1270.5
42.5°	576.5	542.9	559.7	540.1	512.1	663.2	957.1	990.7	996.3
45°	363.8	352.6	363.8	352.6	347.0	492.5	755.6	786.4	800.4
47.5°	221.1	207.1	207.1	201.5	207.1	363.8	624.1	668.8	691.2
50°	125.9	120.3	117.5	114.7	125.9	285.4	540.1	590.5	618.5
52.5°	84.0	81.2	81.2	78.4	92.4	240.7	486.9	531.7	559.7
55°	61.6	58.8	58.8	58.8	72.8	207.1	447.8	484.1	509.3
57.5°	47.6	47.6	47.6	44.8	61.6	176.3	400.2	419.8	439.4
60°	39.2	36.4	36.4	36.4	50.4	151.1	344.2	352.6	363.8
62.5°	30.8	30.8	30.8	30.8	42.0	134.3	296.6	296.6	302.2
65°	28.0	25.2	25.2	25.2	36.4	117.5	249.1	246.3	251.9
67.5°	22.4	22.4	22.4	22.4	30.8	100.7	204.3	201.5	207.1
70°	19.6	19.6	19.6	19.6	25.2	84.0	165.1	162.3	167.9
72.5°	16.8	16.8	16.8	16.8	22.4	70.0	131.5	131.5	134.3
75°	14.0	14.0	14.0	14.0	19.6	53.2	106.3	106.3	109.1
77.5°	11.2	11.2	11.2	11.2	14.0	42.0	81.2	78.4	78.4
80°	5.6	8.4	8.4	8.4	11.2	30.8	58.8	53.2	53.2
82.5°	2.8	5.6	5.6	5.6	11.2	22.4	39.2	36.4	36.4
85°	2.8	2.8	2.8	8.4	11.2	16.8	25.2	25.2	25.2
87.5°	0.0	2.8	5.6	11.2	14.0	14.0	16.8	14.0	14.0
90°	0.0	0.0	0.0	0.0	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)