

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: P251498

Luminaire Tested: **LD8B60D010 ER8B60940 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B60D010 ER8B60940 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6172.1 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

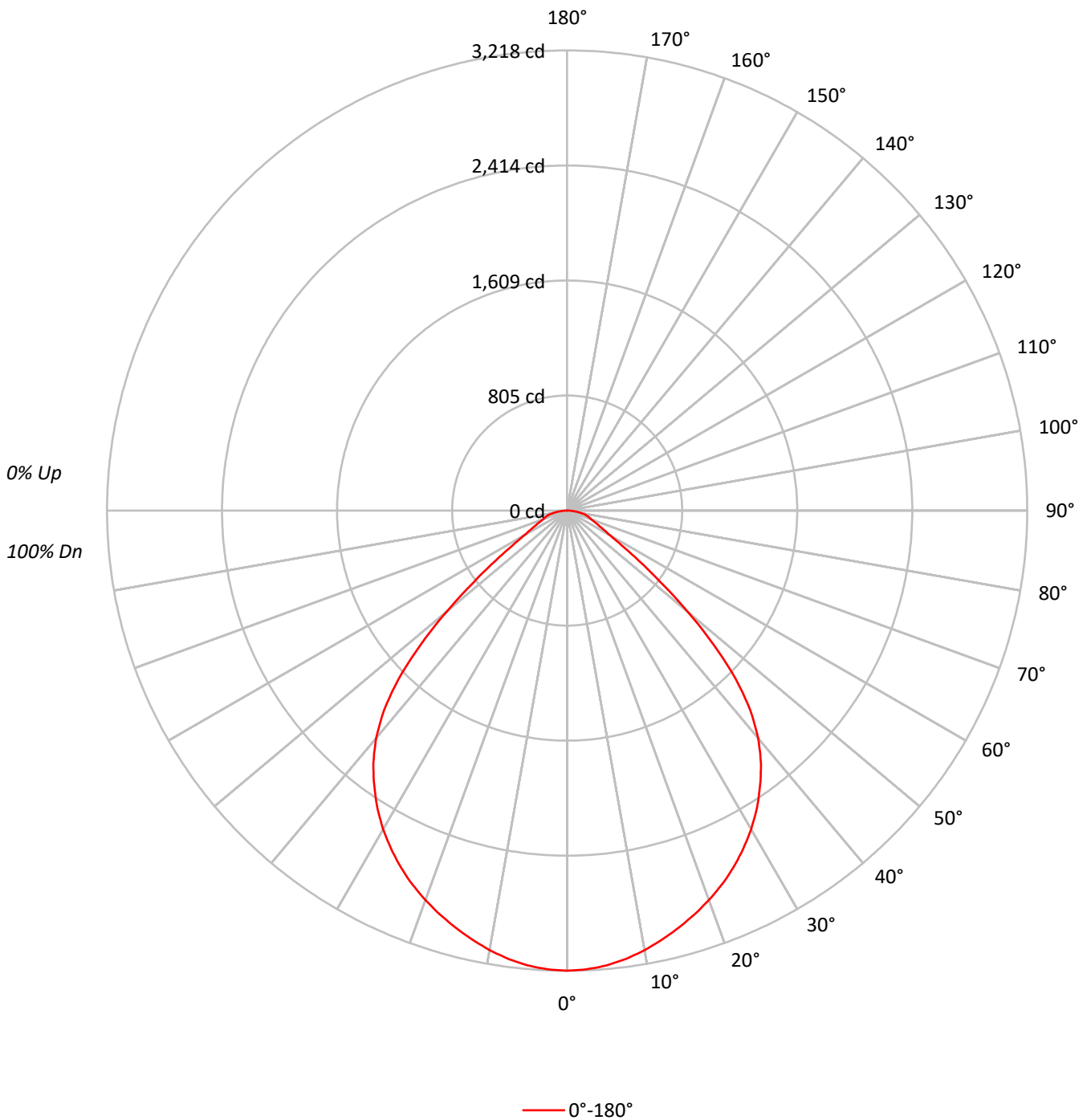
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83		88	85	82		85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73		80	76	72		78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99222
5°	98824
10°	97719
15°	96360
20°	95102
25°	93658
30°	91620
35°	88547
40°	83700
45°	72901
50°	52717
55°	32821
60°	21376
65°	17555
70°	16193
75°	17538
80°	17864
85°	15886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	4.9
10°-20°	851.5	13.8
20°-30°	1266.7	20.5
30°-40°	1466.2	23.8
40°-50°	1258.1	20.4
50°-60°	578.5	9.4
60°-70°	245.6	4.0
70°-80°	152.1	2.5
80°-90°	50.8	0.8
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°	2420.7	39.2
0°-40°	3886.9	63.0
0°-60°	5723.5	92.7
0°-90°	6172.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6172.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3218	
5°	3193	302
15°	3018	852
25°	2753	1267
35°	2352	1466
45°	1672	1258
55°	610	579
65°	241	246
75°	147	152
85°	45	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3217.7
2.5°	3210.5
5°	3192.6
7.5°	3162.1
10°	3120.8
12.5°	3072.3
15°	3018.4
17.5°	2961.0
20°	2898.1
22.5°	2829.9
25°	2752.7
27.5°	2666.5
30°	2573.1
32.5°	2469.0
35°	2352.2
37.5°	2226.6
40°	2079.3
42.5°	1898.0
45°	1671.7
47.5°	1393.4
50°	1098.9
52.5°	826.0
55°	610.5
57.5°	448.9
60°	346.6
62.5°	283.7
65°	240.6
67.5°	206.5
70°	179.6
72.5°	163.4
75°	147.2
77.5°	125.7
80°	100.6
82.5°	71.8
85°	44.9
87.5°	19.8
90°	0.0

(END OF REPORT)