

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: P251501

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251501  
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: LSR8B70D010 EC8B70950 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7714.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

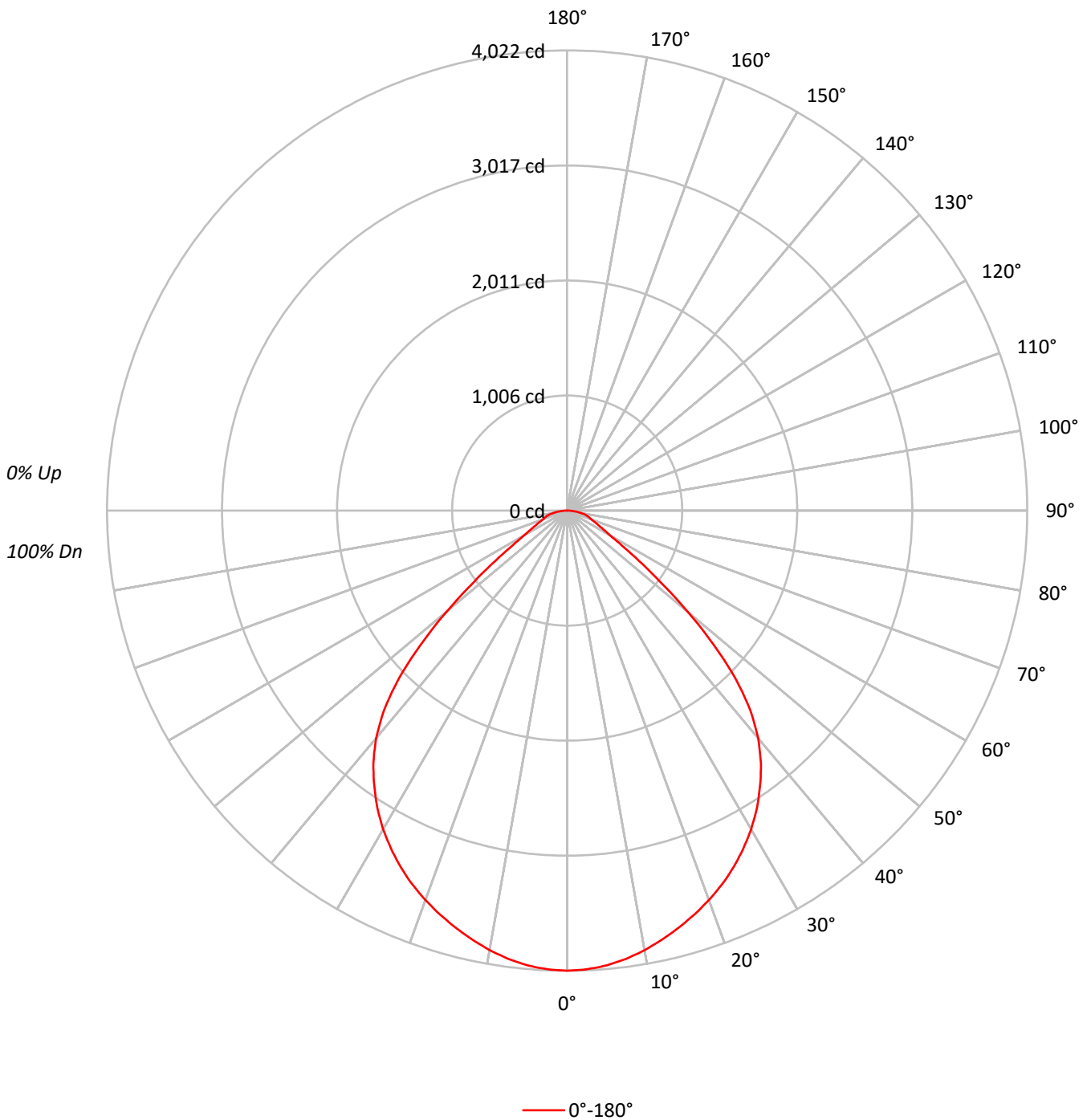
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	124011
5°	123513
10°	122133
15°	120434
20°	118864
25°	117057
30°	114511
35°	110670
40°	104612
45°	91117
50°	65891
55°	41020
60°	26710
65°	21941
70°	20232
75°	21922
80°	22322
85°	19849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.0	4.9
10°-20°	1064.3	13.8
20°-30°	1583.2	20.5
30°-40°	1832.5	23.8
40°-50°	1572.4	20.4
50°-60°	723.0	9.4
60°-70°	307.0	4.0
70°-80°	190.1	2.5
80°-90°	63.5	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°	3025.4	39.2
0°-40°	4857.9	63.0
0°-60°	7153.4	92.7
0°-90°	7714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7714.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4022	
5°	3990	378
15°	3772	1064
25°	3440	1583
35°	2940	1832
45°	2089	1572
55°	763	723
65°	301	307
75°	184	190
85°	56	64
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4021.6
2.5°	4012.7
5°	3990.2
7.5°	3952.1
10°	3900.5
12.5°	3839.9
15°	3772.5
17.5°	3700.7
20°	3622.2
22.5°	3536.9
25°	3440.4
27.5°	3332.7
30°	3216.0
32.5°	3085.8
35°	2939.9
37.5°	2782.8
40°	2598.8
42.5°	2372.1
45°	2089.4
47.5°	1741.5
50°	1373.5
52.5°	1032.3
55°	763.0
57.5°	561.1
60°	433.1
62.5°	354.6
65°	300.7
67.5°	258.1
70°	224.4
72.5°	204.2
75°	184.0
77.5°	157.1
80°	125.7
82.5°	89.8
85°	56.1
87.5°	24.7
90°	0.0

(END OF REPORT)