

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: P251189

Luminaire Tested: **LD8B70D010 ER8B70935 8LBS0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B70D010 ER8B70935 8LBS0WH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 3500 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7171.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

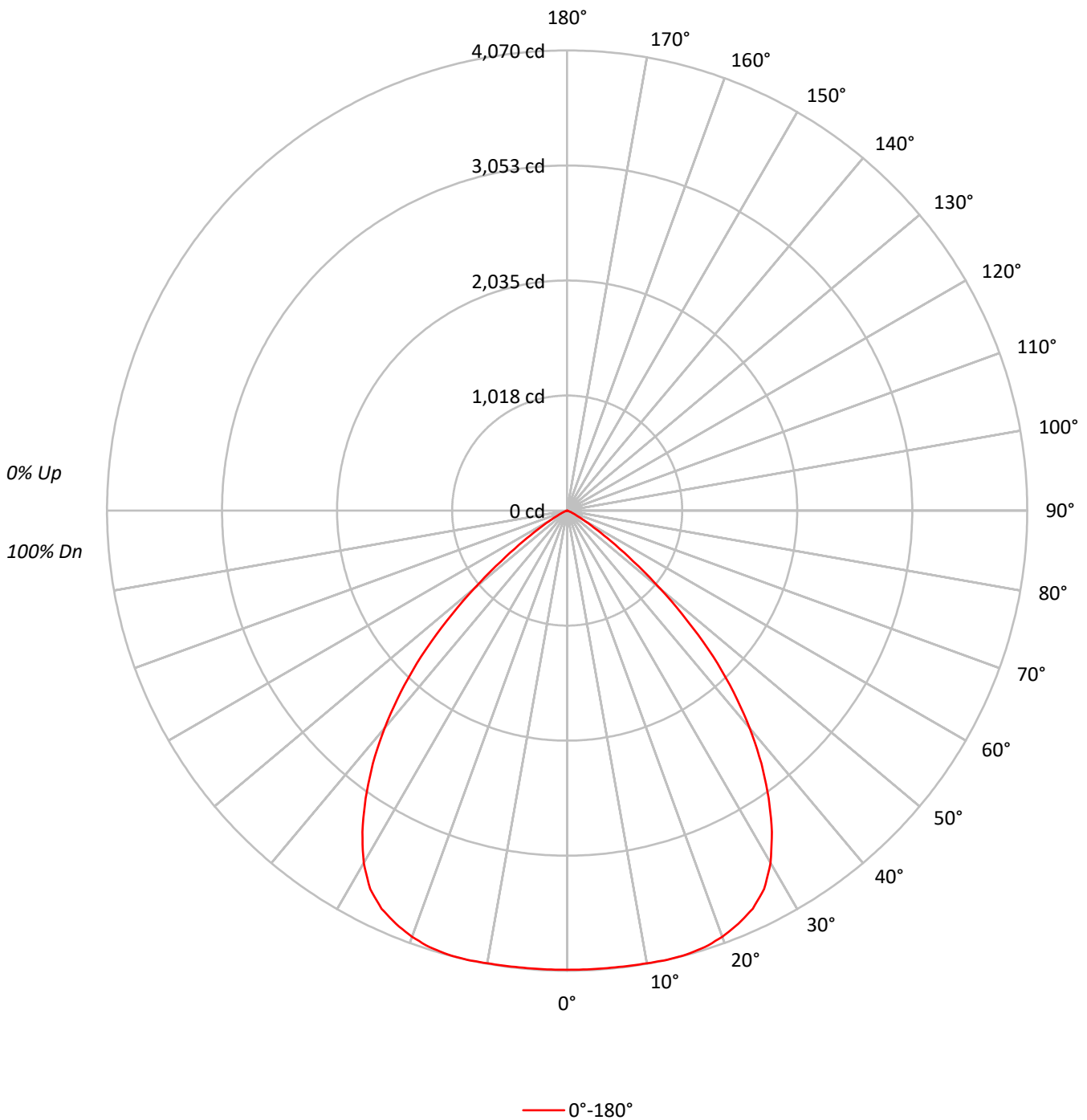
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39		49	43	39		48	43	39	38

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	125248
5°	125726
10°	127312
15°	129800
20°	131652
25°	132194
30°	128145
35°	116960
40°	101174
45°	79648
50°	51379
55°	25220
60°	10367
65°	4546
70°	1307
75°	500
80°	373
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.9	5.4
10°-20°	1149.0	16.0
20°-30°	1779.0	24.8
30°-40°	1927.2	26.9
40°-50°	1386.8	19.3
50°-60°	464.0	6.5
60°-70°	70.1	1.0
70°-80°	6.0	0.1
80°-90°	0.9	0.0
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°	3315.9	46.2
0°-40°	5243.2	73.1
0°-60°	7094.0	98.9
0°-90°	7171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7171.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4062	
5°	4062	388
15°	4066	1149
25°	3885	1779
35°	3107	1927
45°	1826	1387
55°	469	464
65°	62	70
75°	4	6
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4061.7
2.5°	4061.7
5°	4061.7
7.5°	4063.8
10°	4065.9
12.5°	4070.0
15°	4065.9
17.5°	4049.3
20°	4011.9
22.5°	3955.9
25°	3885.3
27.5°	3773.3
30°	3598.9
32.5°	3370.6
35°	3107.0
37.5°	2822.7
40°	2513.4
42.5°	2181.3
45°	1826.4
47.5°	1442.5
50°	1071.0
52.5°	734.7
55°	469.1
57.5°	280.2
60°	168.1
62.5°	101.7
65°	62.3
67.5°	31.1
70°	14.5
72.5°	6.2
75°	4.2
77.5°	4.2
80°	2.1
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)