

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: P250993

Luminaire Tested: **LSR8B70D010 EC8B70850 8LBS0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B70D010 EC8B70850 8LBS0H  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8360.0 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

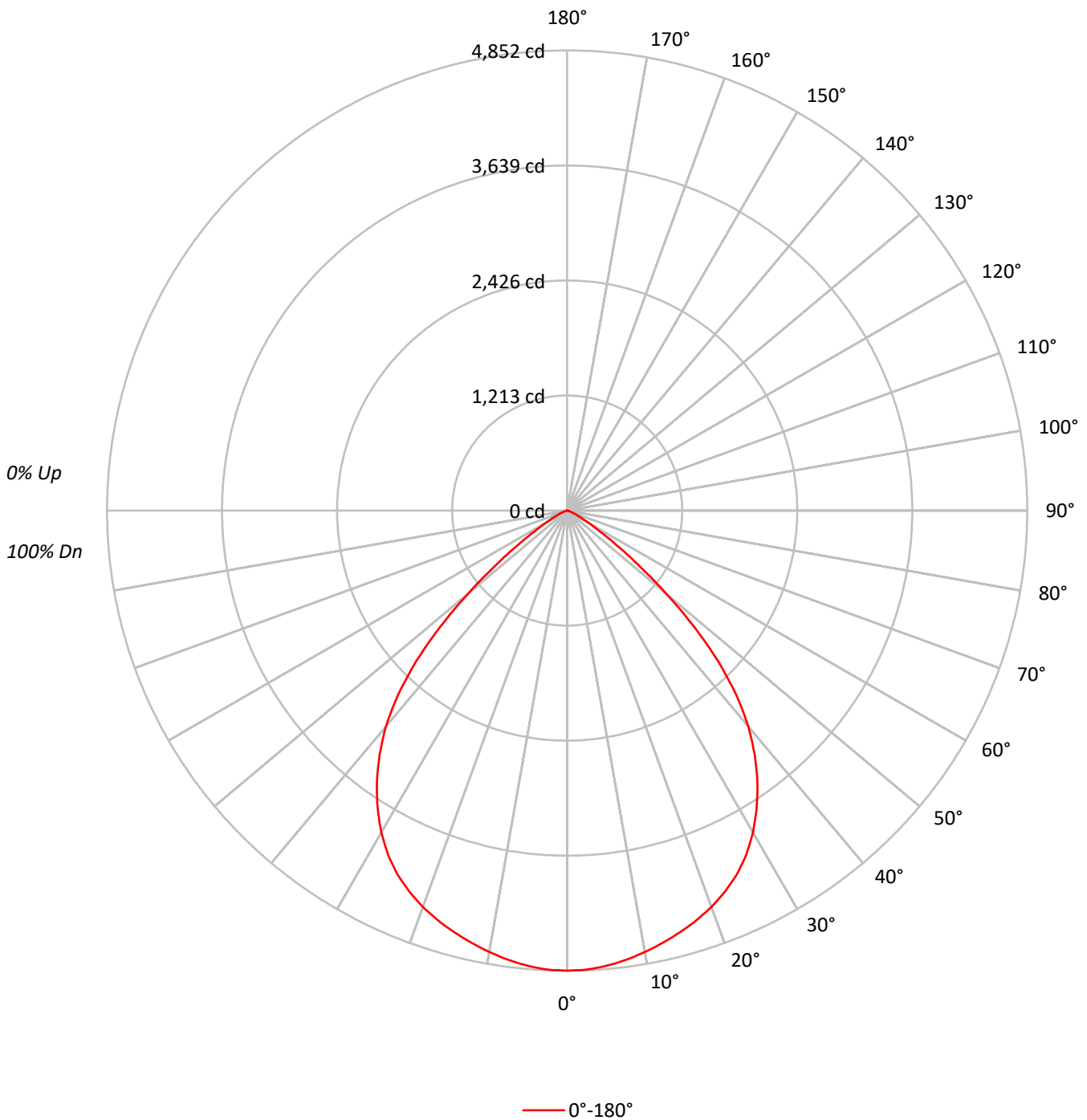
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	149602
5°	149106
10°	147974
15°	146931
20°	145936
25°	144017
30°	139568
35°	131683
40°	119675
45°	98474
50°	65636
55°	34192
60°	16115
65°	8457
70°	4219
75°	2943
80°	2184
85°	1734



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.9	5.5
10°-20°	1299.0	15.5
20°-30°	1943.3	23.2
30°-40°	2173.6	26.0
40°-50°	1705.2	20.4
50°-60°	622.2	7.4
60°-70°	126.9	1.5
70°-80°	27.3	0.3
80°-90°	5.7	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°	3699.2	44.2
0°-40°	5872.8	70.2
0°-60°	8200.2	98.1
0°-90°	8360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8360.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4852	
5°	4817	457
15°	4602	1299
25°	4233	1943
35°	3498	2174
45°	2258	1705
55°	636	622
65°	116	127
75°	25	27
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4851.5
2.5°	4844.1
5°	4817.0
7.5°	4777.6
10°	4725.8
12.5°	4666.6
15°	4602.5
17.5°	4531.1
20°	4447.2
22.5°	4348.6
25°	4232.8
27.5°	4089.8
30°	3919.7
32.5°	3720.0
35°	3498.1
37.5°	3249.1
40°	2973.0
42.5°	2645.2
45°	2258.1
47.5°	1821.8
50°	1368.2
52.5°	959.0
55°	636.0
57.5°	406.8
60°	261.3
62.5°	172.6
65°	115.9
67.5°	74.0
70°	46.8
72.5°	32.0
75°	24.7
77.5°	17.3
80°	12.3
82.5°	7.4
85°	4.9
87.5°	2.5
90°	0.0

(END OF REPORT)