

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: P251177

Luminaire Tested: **LSR8B70D010 EC8B70830 8LBS0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251177  
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: LSR8B70D010 EC8B70830 8LBS0WH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8086.0 lumens  
Efficiency: N/A  
Efficacy: 106.5 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

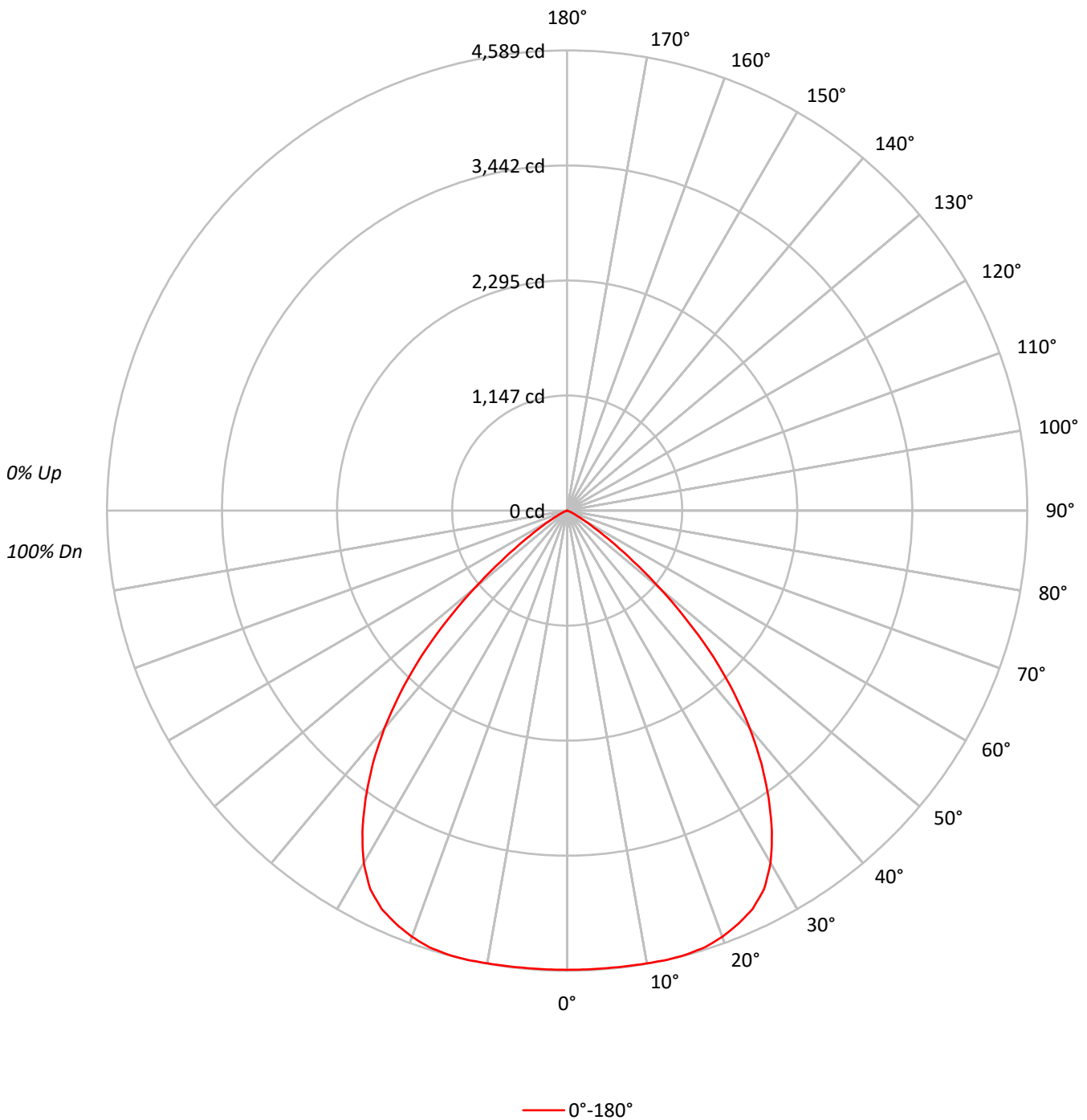
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	141230
5°	141770
10°	143556
15°	146362
20°	148450
25°	149063
30°	144496
35°	131886
40°	114084
45°	89813
50°	57932
55°	28434
60°	11693
65°	5122
70°	1479
75°	560
80°	408
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	437.4	5.4
10°-20°	1295.7	16.0
20°-30°	2006.0	24.8
30°-40°	2173.2	26.9
40°-50°	1563.8	19.3
50°-60°	523.2	6.5
60°-70°	79.1	1.0
70°-80°	6.8	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°	3739.0	46.2
0°-40°	5912.2	73.1
0°-60°	7999.2	98.9
0°-90°	8086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8086.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4580	
5°	4580	437
15°	4585	1296
25°	4381	2006
35°	3504	2173
45°	2060	1564
55°	529	523
65°	70	79
75°	5	7
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4580.0
2.5°	4580.0
5°	4580.0
7.5°	4582.4
10°	4584.7
12.5°	4589.4
15°	4584.7
17.5°	4566.0
20°	4523.8
22.5°	4460.7
25°	4381.1
27.5°	4254.7
30°	4058.1
32.5°	3800.7
35°	3503.5
37.5°	3182.8
40°	2834.1
42.5°	2459.7
45°	2059.5
47.5°	1626.5
50°	1207.6
52.5°	828.5
55°	528.9
57.5°	315.9
60°	189.6
62.5°	114.7
65°	70.2
67.5°	35.1
70°	16.4
72.5°	7.0
75°	4.7
77.5°	4.7
80°	2.3
82.5°	2.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)