

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: P250868

Luminaire Tested: **LSR8B60D010 EC8B60835 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250868  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60835 8LBS0LI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7031.0 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

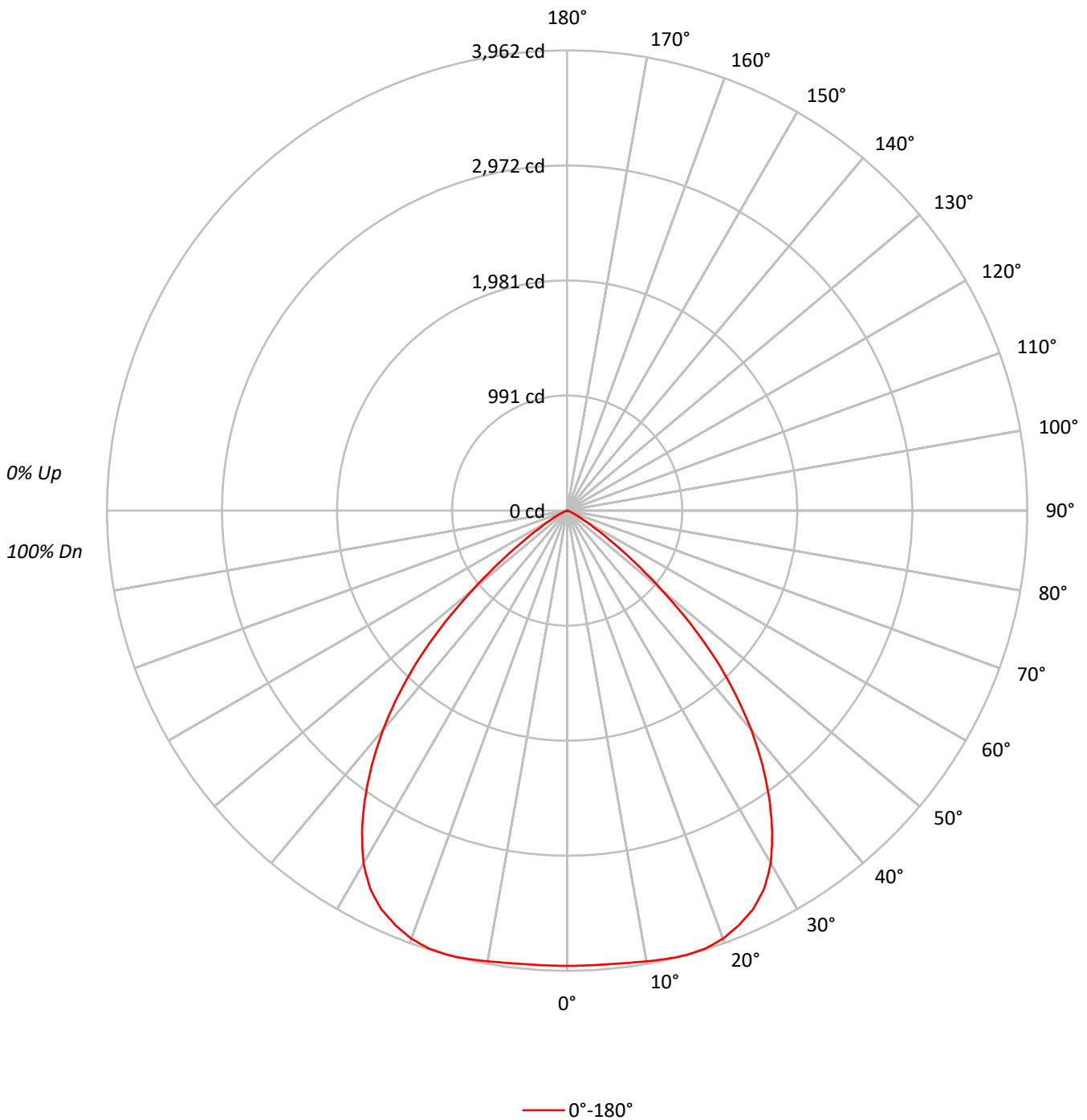
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88		91	88	86		88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39		49	43	39		48	43	39	37

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

	0°
0°	120885
5°	121408
10°	123379
15°	126499
20°	128708
25°	128853
30°	124866
35°	114322
40°	99359
45°	78619
50°	50981
55°	25478
60°	10694
65°	4706
70°	1452
75°	715
80°	710
85°	708



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.0	5.3
10°-20°	1119.7	15.9
20°-30°	1734.6	24.7
30°-40°	1883.8	26.8
40°-50°	1368.9	19.5
50°-60°	465.3	6.6
60°-70°	74.1	1.1
70°-80°	7.9	0.1
80°-90°	1.6	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°	3229.3	45.9
0°-40°	5113.1	72.7
0°-60°	6947.3	98.8
0°-90°	7031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7031.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3920	
5°	3922	375
15°	3962	1120
25°	3787	1735
35°	3037	1884
45°	1803	1369
55°	474	465
65°	64	74
75°	6	8
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3920.2
2.5°	3920.2
5°	3922.2
7.5°	3928.2
10°	3940.3
12.5°	3954.5
15°	3962.5
17.5°	3954.5
20°	3922.2
22.5°	3863.7
25°	3787.1
27.5°	3672.1
30°	3506.8
32.5°	3287.0
35°	3036.9
37.5°	2764.7
40°	2468.3
42.5°	2147.6
45°	1802.8
47.5°	1431.7
50°	1062.7
52.5°	728.0
55°	473.9
57.5°	288.4
60°	173.4
62.5°	106.9
65°	64.5
67.5°	36.3
70°	16.1
72.5°	10.1
75°	6.0
77.5°	4.0
80°	4.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)