

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: P247034

Luminaire Tested: **LSR8B80D010 EC8B80950 8LBN0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-80)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B80D010 EC8B80950 8LBNOLI  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7348.0 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.56  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

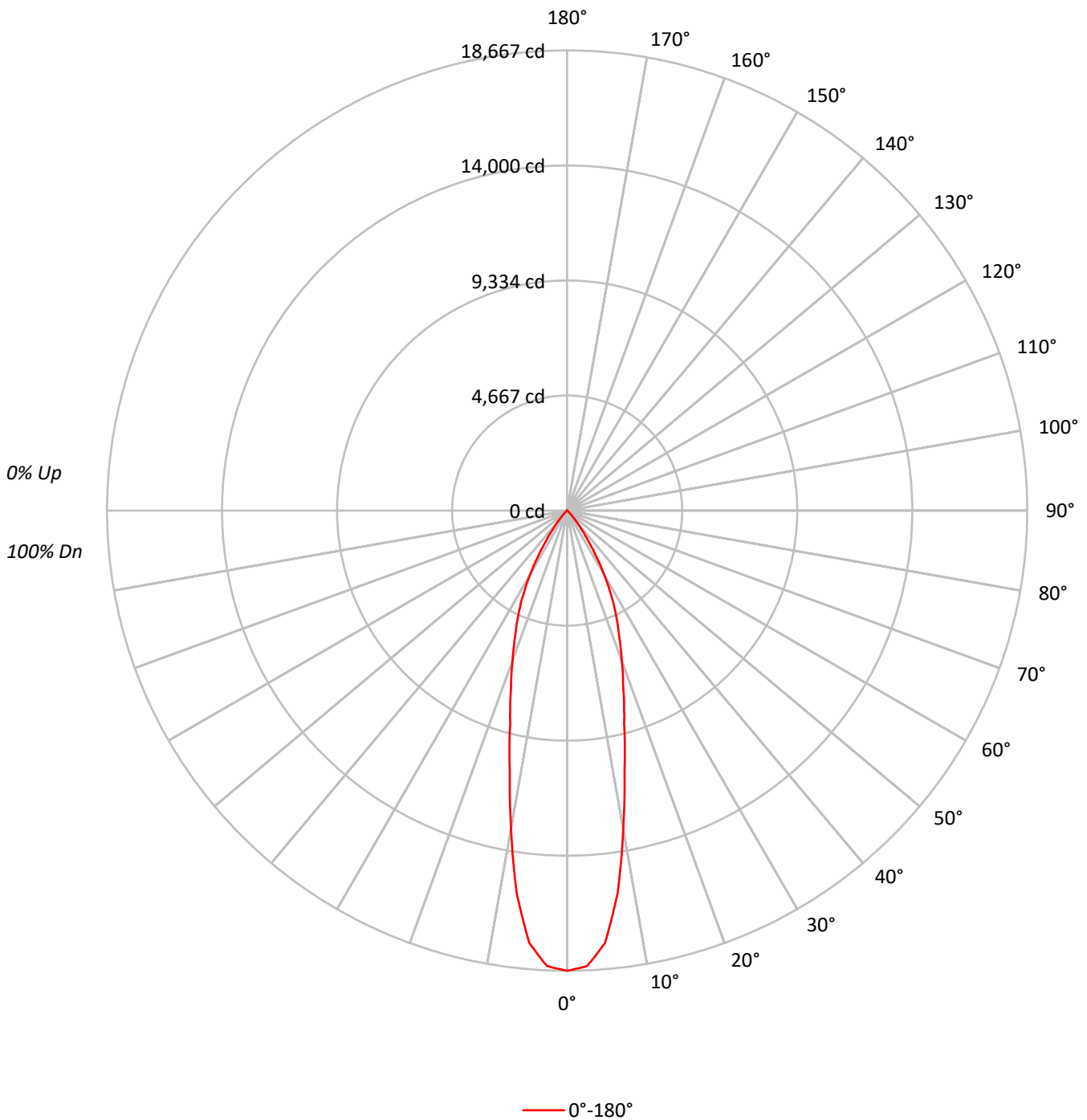
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96		98	95	94		95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90		93	91	88		91	89	87	85
4	101	94	90	86	99	93	89	85	91	87	84		89	86	83		87	85	83	81
5	97	90	85	81	95	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	81	76	72	88	81	76	72	79	75	72		78	74	72		77	74	71	70
8	86	78	72	69	85	77	72	69	76	72	69		75	71	68		74	71	68	67
9	82	74	69	66	81	74	69	66	73	69	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

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

	0°
0°	575615
5°	544987
10°	410441
15°	285287
20°	212670
25°	160073
30°	107041
35°	56026
40°	21641
45°	8002
50°	2034
55°	398
60°	56
65°	204
70°	252
75°	0
80°	0
85°	318



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1530.9	20.8
10°-20°	2531.8	34.5
20°-30°	2134.5	29.0
30°-40°	968.5	13.2
40°-50°	169.1	2.3
50°-60°	9.2	0.1
60°-70°	1.4	0.0
70°-80°	1.6	0.0
80°-90°	1.0	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°	6197.2	84.3
0°-40°	7165.8	97.5
0°-60°	7344.1	99.9
0°-90°	7348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18667	
5°	17606	###
15°	8936	2532
25°	4705	2134
35°	1488	969
45°	184	169
55°	7	9
65°	3	1
75°	0	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18666.8
2.5°	18501.7
5°	17606.3
7.5°	15656.0
10°	13108.1
12.5°	10753.0
15°	8936.4
17.5°	7571.7
20°	6480.8
22.5°	5520.8
25°	4704.7
27.5°	3874.8
30°	3006.2
32.5°	2188.2
35°	1488.3
37.5°	913.8
40°	537.6
42.5°	315.4
45°	183.5
47.5°	109.7
50°	42.4
52.5°	6.5
55°	7.4
57.5°	6.5
60°	0.9
62.5°	0.9
65°	2.8
67.5°	0.0
70°	2.8
72.5°	4.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.9
87.5°	2.8
90°	0.0

(END OF REPORT)