

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: P247088

Luminaire Tested: **LSR8B100D010 EC8B1009727 8LBWOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B1009727 8LBW0LI  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8066.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

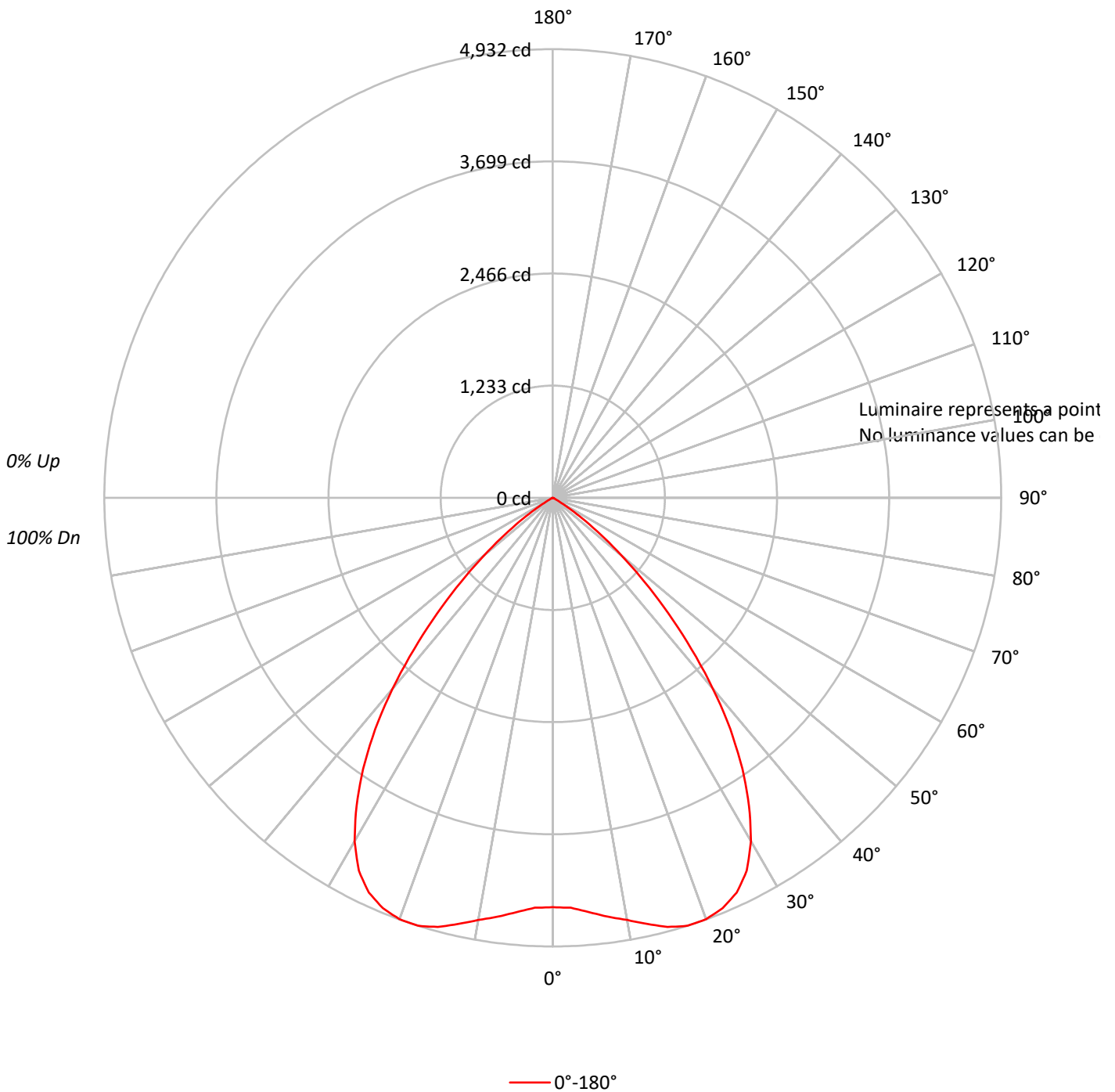
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92	92	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68	68	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62	62	62
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56	56	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47	47	47
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43	43	43
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39	39	39

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.0	5.5
10°-20°	1380.8	17.1
20°-30°	2183.6	27.1
30°-40°	2243.7	27.8
40°-50°	1391.8	17.3
50°-60°	394.6	4.9
60°-70°	26.6	0.3
70°-80°	3.6	0.0
80°-90°	0.4	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°	4005.3	49.7
0°-40°	6248.9	77.5
0°-60°	8035.3	99.6
0°-90°	8066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4501	
5°	4571	441
15°	4884	1381
25°	4789	2184
35°	3637	2244
45°	1797	1392
55°	395	395
65°	16	27
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4501.0
2.5°	4509.6
5°	4571.3
7.5°	4643.8
10°	4712.9
12.5°	4798.3
15°	4883.8
17.5°	4932.4
20°	4929.2
22.5°	4881.6
25°	4788.6
27.5°	4619.9
30°	4359.4
32.5°	4016.6
35°	3637.1
37.5°	3207.9
40°	2741.9
42.5°	2257.5
45°	1796.9
47.5°	1368.8
50°	981.7
52.5°	660.7
55°	394.7
57.5°	203.3
60°	88.7
62.5°	35.7
65°	16.2
67.5°	9.7
70°	6.5
72.5°	4.4
75°	3.3
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)