

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: P246996

Luminaire Tested: **LSR8B100D010 EC8B1009730 8LBMOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B1009730 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8235.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

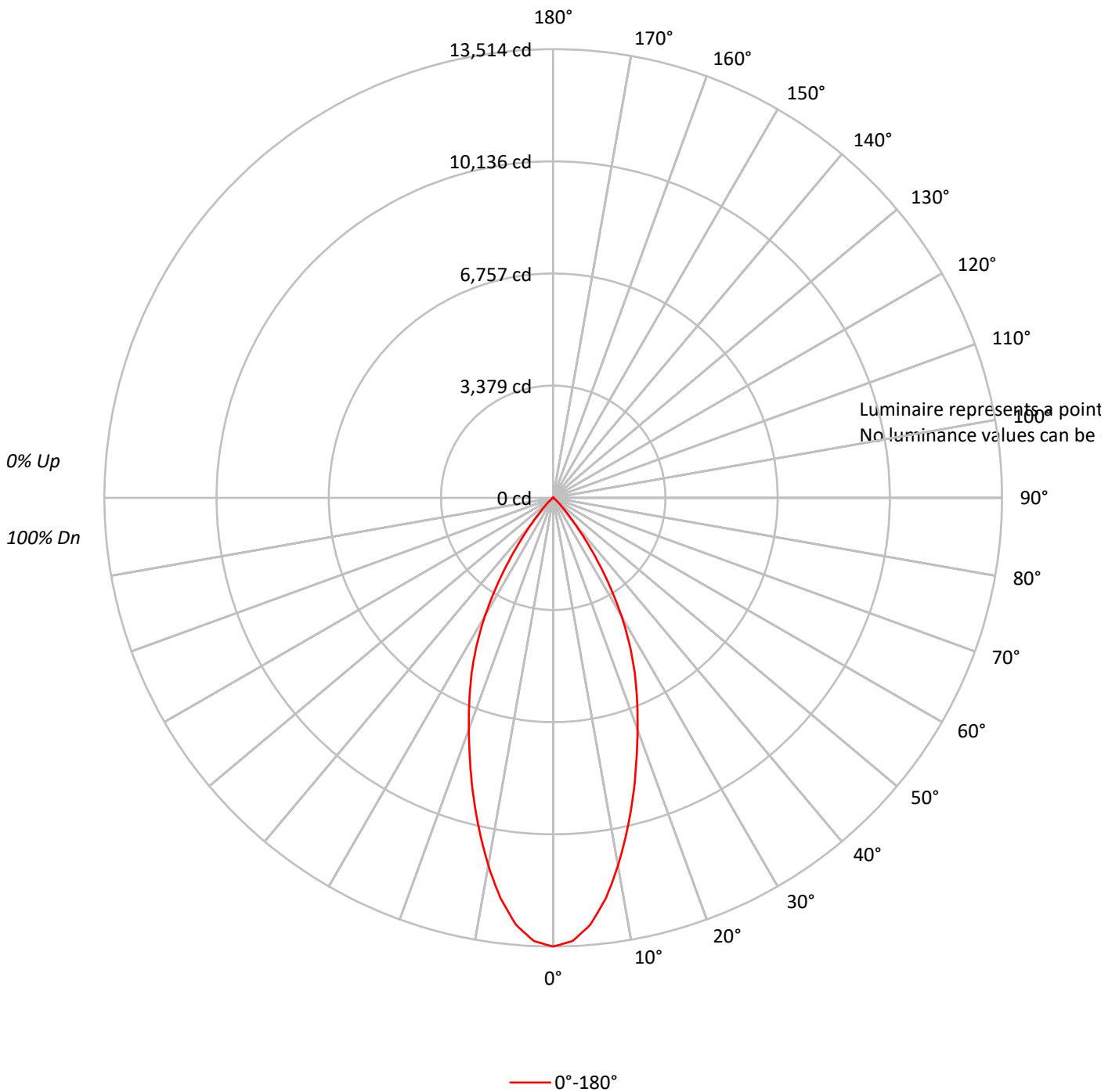
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	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	100	100	100	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94		
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88	88	88	88	88		
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83	83	83		
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78	78		
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73	73	73	73	73		
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69	69	69	69	69		
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65	65	65	65	65		
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62	62	62	62	62		
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	58	58	58	58		
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55	55	55	55	55		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1177.8	14.3
10°-20°	2581.9	31.4
20°-30°	2633.2	32.0
30°-40°	1474.8	17.9
40°-50°	314.5	3.8
50°-60°	39.0	0.5
60°-70°	10.2	0.1
70°-80°	2.4	0.0
80°-90°	1.3	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°	6392.9	77.6
0°-40°	7867.7	95.5
0°-60°	8221.1	99.8
0°-90°	8235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8235.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13514	
5°	12901	###
15°	9296	2582
25°	5804	2633
35°	2338	1475
45°	349	314
55°	30	39
65°	12	10
75°	4	2
85°	4	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13513.9
2.5°	13361.7
5°	12901.2
7.5°	12160.2
10°	11245.9
12.5°	10264.7
15°	9295.8
17.5°	8321.3
20°	7425.2
22.5°	6591.3
25°	5804.4
27.5°	4978.2
30°	4106.1
32.5°	3194.7
35°	2337.8
37.5°	1566.2
40°	973.6
42.5°	582.1
45°	349.4
47.5°	194.3
50°	113.9
52.5°	60.3
55°	29.7
57.5°	21.1
60°	18.2
62.5°	8.6
65°	11.5
67.5°	11.5
70°	1.0
72.5°	2.9
75°	3.8
77.5°	1.9
80°	0.0
82.5°	1.0
85°	3.8
87.5°	0.0
90°	0.0

(END OF REPORT)