

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: P248012

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150927 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12413.2 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

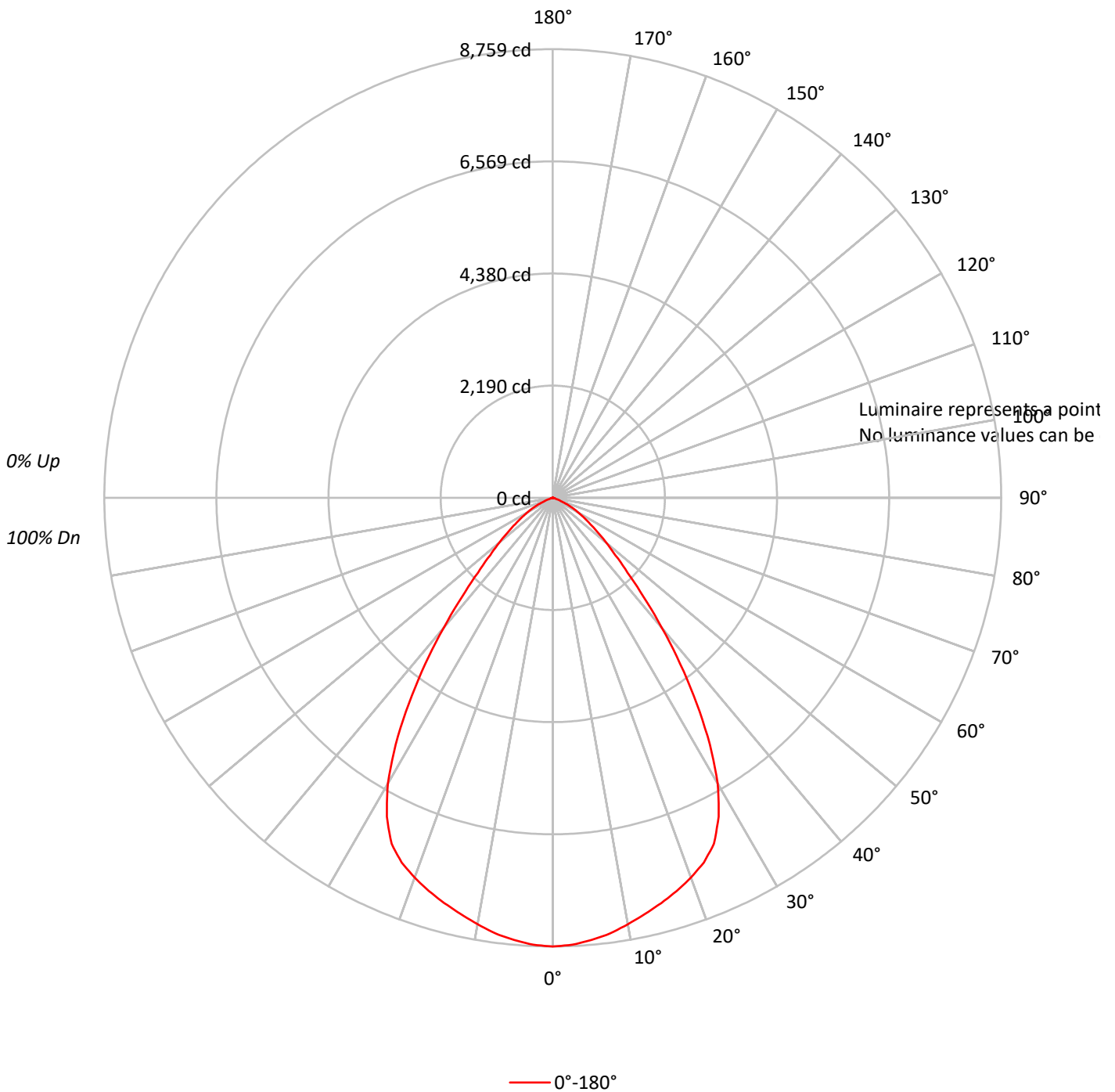
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45		54	49	45		54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50	45	42	40

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	820.8	6.6
10°-20°	2311.5	18.6
20°-30°	3375.6	27.2
30°-40°	3035.9	24.5
40°-50°	1660.3	13.4
50°-60°	823.1	6.6
60°-70°	325.0	2.6
70°-80°	52.4	0.4
80°-90°	8.5	0.1
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°	6508.0	52.4
0°-40°	9543.8	76.9
0°-60°	12027.3	96.9
0°-90°	12413.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12413.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8759	
5°	8667	821
15°	8190	2312
25°	7450	3376
35°	4900	3036
45°	2067	1660
55°	893	823
65°	325	325
75°	40	52
85°	11	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8759.4
2.5°	8735.1
5°	8666.9
7.5°	8578.4
10°	8453.8
12.5°	8321.4
15°	8189.9
17.5°	8048.8
20°	7889.1
22.5°	7706.5
25°	7449.6
27.5°	7017.2
30°	6439.8
32.5°	5712.1
35°	4899.8
37.5°	4089.0
40°	3314.4
42.5°	2616.4
45°	2067.2
47.5°	1656.8
50°	1367.7
52.5°	1113.1
55°	893.0
57.5°	721.5
60°	577.4
62.5°	456.6
65°	325.1
67.5°	193.5
70°	116.7
72.5°	65.8
75°	39.9
77.5°	25.9
80°	18.8
82.5°	6.3
85°	10.9
87.5°	4.7
90°	0.0

(END OF REPORT)