

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: P247871

Luminaire Tested: **LSR8B150D010 EC8B150930 8LBM0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247871  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150930 8LBMOLI  
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: 13708.7 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

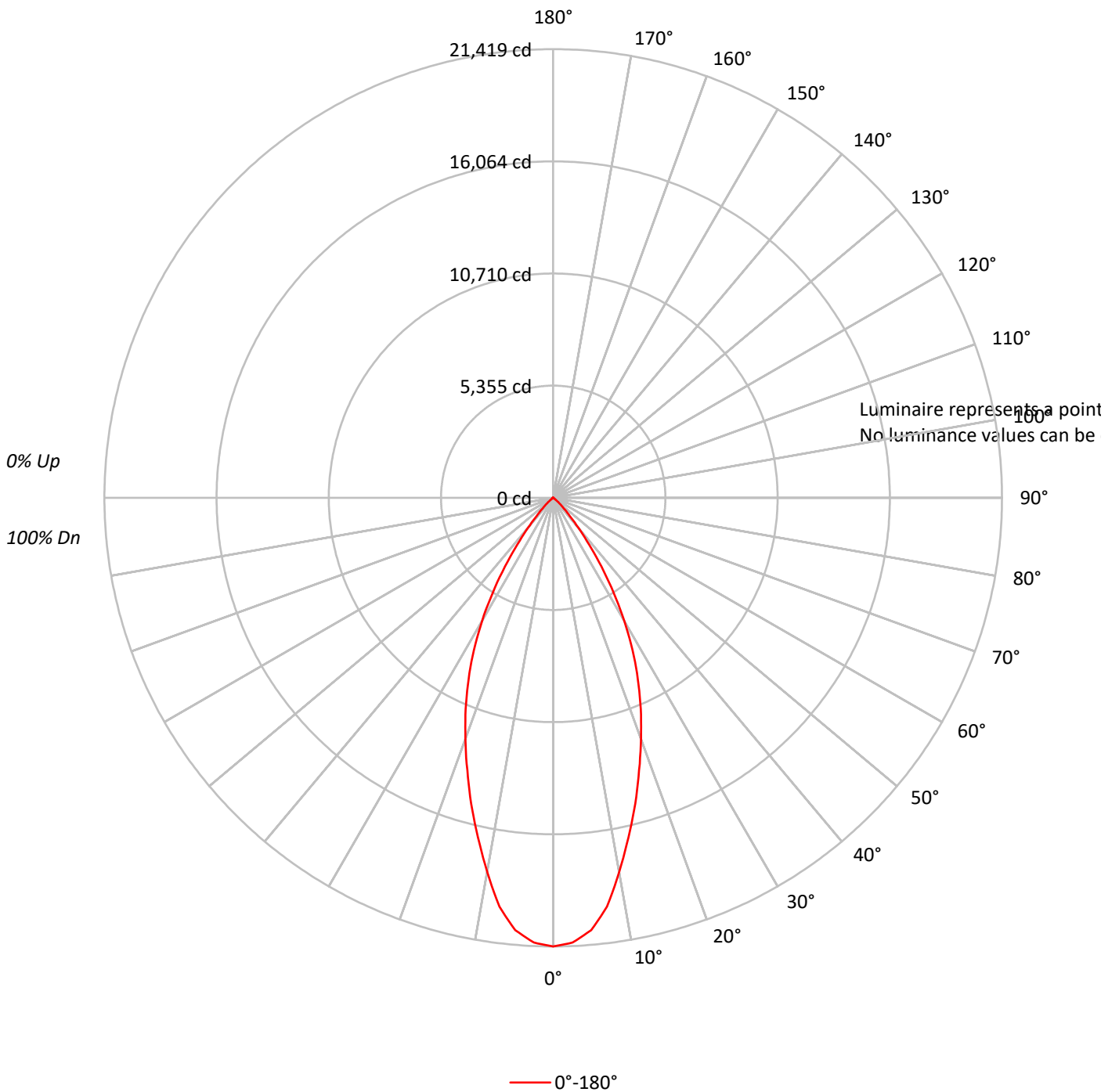
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	106	102	99	96	99	96	94	96	94	92	93	91	90	88	88	88	88	88		
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83	83	83		
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78	78	78	78	78		
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73	73	73	73	73		
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68	68	68	68	68		
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65	65	65	65	65		
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61	61	61	61	61		
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58	58	58	58	58		
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55	55	55	55	55		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1895.5	13.8
10°-20°	4204.6	30.7
20°-30°	4343.5	31.7
30°-40°	2532.1	18.5
40°-50°	634.5	4.6
50°-60°	76.9	0.6
60°-70°	16.1	0.1
70°-80°	2.1	0.0
80°-90°	3.4	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°	10443.6	76.2
0°-40°	12975.7	94.7
0°-60°	13687.2	99.8
0°-90°	13708.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13708.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21419	
5°	20726	###
15°	15117	4205
25°	9551	4343
35°	4004	2532
45°	720	635
55°	65	77
65°	11	16
75°	2	2
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21419.2
2.5°	21253.2
5°	20725.5
7.5°	19686.6
10°	18132.4
12.5°	16593.0
15°	15116.6
17.5°	13635.1
20°	12244.3
22.5°	10908.2
25°	9550.6
27.5°	8200.3
30°	6782.4
32.5°	5383.5
35°	4004.3
37.5°	2813.6
40°	1844.0
42.5°	1161.9
45°	720.1
47.5°	439.3
50°	237.0
52.5°	115.6
55°	65.2
57.5°	35.5
60°	30.6
62.5°	21.5
65°	10.8
67.5°	13.2
70°	9.1
72.5°	0.0
75°	1.7
77.5°	0.8
80°	1.7
82.5°	2.5
85°	0.0
87.5°	9.1
90°	0.0

(END OF REPORT)