

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: P247844

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBM0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247844  
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 EC8B150835 8LBMOLI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16600.0 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

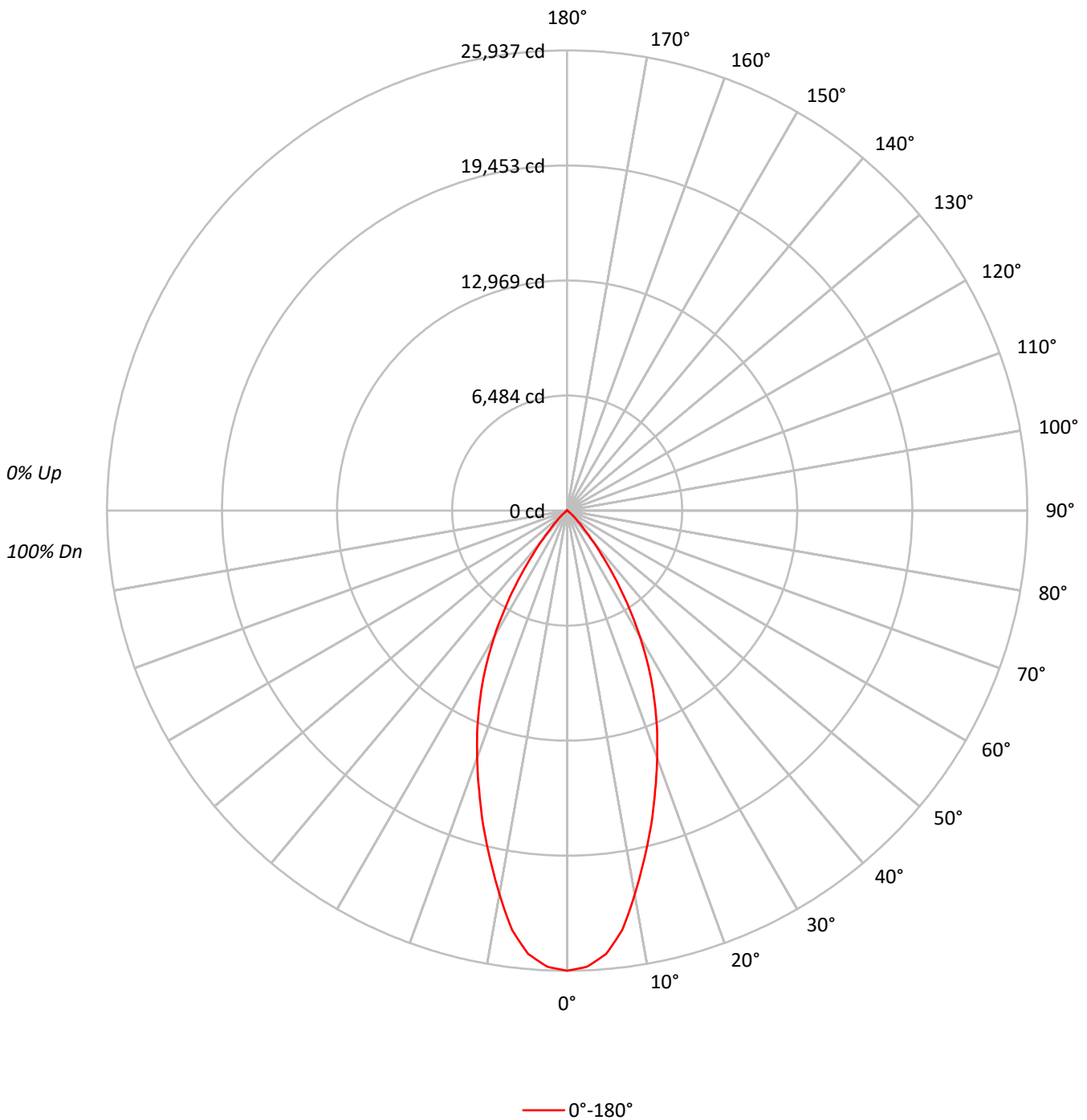
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

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

	0°
0°	799789
5°	776846
10°	687509
15°	584364
20°	486546
25°	393482
30°	292434
35°	182533
40°	89887
45°	38027
50°	13768
55°	4247
60°	2282
65°	949
70°	992
75°	238
80°	355
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2295.3	13.8
10°-20°	5091.4	30.7
20°-30°	5259.5	31.7
30°-40°	3066.2	18.5
40°-50°	768.4	4.6
50°-60°	93.1	0.6
60°-70°	19.5	0.1
70°-80°	2.5	0.0
80°-90°	4.1	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°	12646.3	76.2
0°-40°	15712.5	94.7
0°-60°	16574.0	99.8
0°-90°	16600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	25937	
5°	25097	###
15°	18305	5091
25°	11565	5260
35°	4849	3066
45°	872	768
55°	79	93
65°	13	19
75°	2	2
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	25936.6
2.5°	25735.7
5°	25096.7
7.5°	23838.7
10°	21956.7
12.5°	20092.7
15°	18304.8
17.5°	16510.8
20°	14826.8
22.5°	13208.8
25°	11564.8
27.5°	9929.9
30°	8212.9
32.5°	6518.9
35°	4848.9
37.5°	3407.0
40°	2233.0
42.5°	1407.0
45°	872.0
47.5°	532.0
50°	287.0
52.5°	140.0
55°	79.0
57.5°	43.0
60°	37.0
62.5°	26.0
65°	13.0
67.5°	16.0
70°	11.0
72.5°	0.0
75°	2.0
77.5°	1.0
80°	2.0
82.5°	3.0
85°	0.0
87.5°	11.0
90°	0.0

(END OF REPORT)