

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: P247991

Luminaire Tested: **LSR8B150D010 EC8B150840 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247991  
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 EC8B150840 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15743.1 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

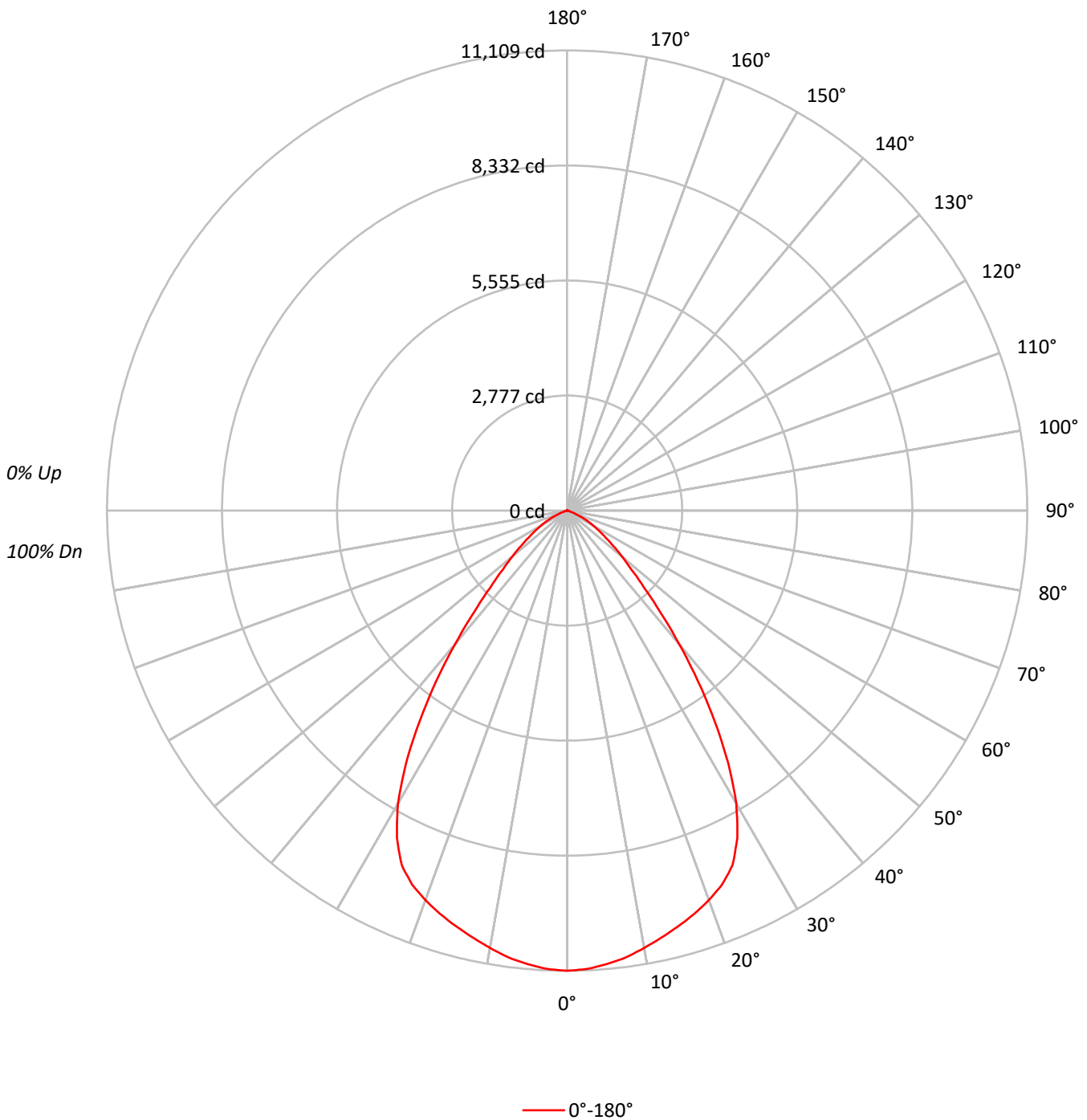
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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):**

	0°
0°	342558
5°	340238
10°	335712
15°	331586
20°	328324
25°	321456
30°	290811
35°	233925
40°	169203
45°	114334
50°	83214
55°	60890
60°	45157
65°	30083
70°	13344
75°	6041
80°	4226
85°	4918



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1041.0	6.6
10°-20°	2931.6	18.6
20°-30°	4281.1	27.2
30°-40°	3850.2	24.5
40°-50°	2105.7	13.4
50°-60°	1043.9	6.6
60°-70°	412.2	2.6
70°-80°	66.4	0.4
80°-90°	10.8	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°	8253.7	52.4
0°-40°	12103.9	76.9
0°-60°	15253.6	96.9
0°-90°	15743.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15743.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11109	
5°	10992	###
15°	10387	2932
25°	9448	4281
35°	6214	3850
45°	2622	2106
55°	1133	1044
65°	412	412
75°	51	66
85°	14	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11108.9
2.5°	11078.2
5°	10991.7
7.5°	10879.5
10°	10721.5
12.5°	10553.6
15°	10386.7
17.5°	10207.9
20°	10005.2
22.5°	9773.7
25°	9447.9
27.5°	8899.5
30°	8167.3
32.5°	7244.4
35°	6214.1
37.5°	5185.9
40°	4203.4
42.5°	3318.2
45°	2621.8
47.5°	2101.2
50°	1734.6
52.5°	1411.7
55°	1132.6
57.5°	915.0
60°	732.2
62.5°	579.2
65°	412.3
67.5°	245.4
70°	148.0
72.5°	83.5
75°	50.7
77.5°	32.8
80°	23.8
82.5°	7.9
85°	13.9
87.5°	6.0
90°	0.0

(END OF REPORT)