

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: P249886

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBM0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150835 8LBM0H  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15766.0 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

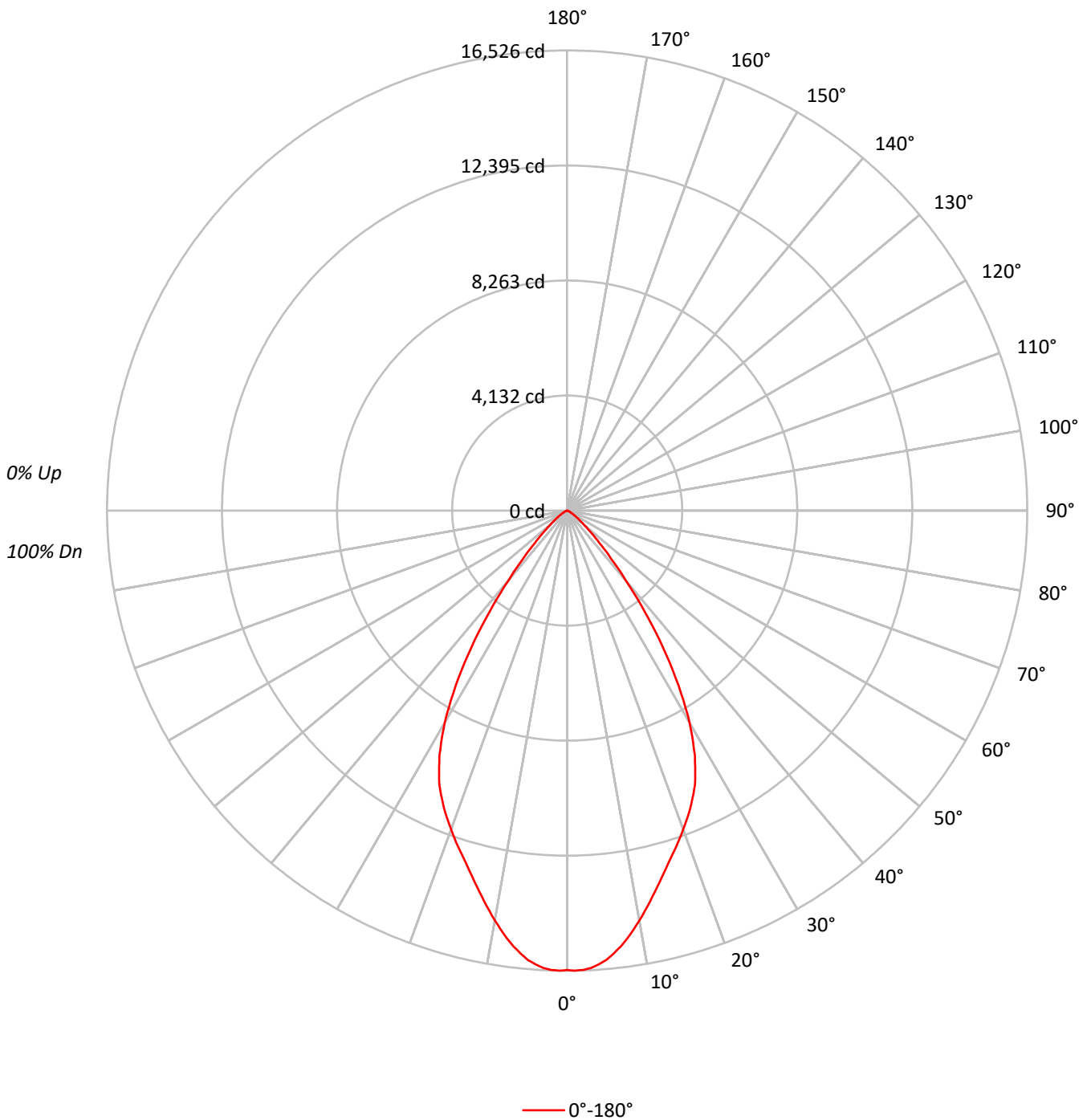
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

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

	0°
0°	508858
5°	501367
10°	467902
15°	429485
20°	400006
25°	369570
30°	313400
35°	225455
40°	132814
45°	70978
50°	37035
55°	20886
60°	11527
65°	6815
70°	3101
75°	1763
80°	870
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1504.4	9.5
10°-20°	3785.1	24.0
20°-30°	4913.9	31.2
30°-40°	3708.9	23.5
40°-50°	1357.1	8.6
50°-60°	379.4	2.4
60°-70°	99.7	0.6
70°-80°	16.8	0.1
80°-90°	0.7	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°	10203.4	64.7
0°-40°	13912.3	88.2
0°-60°	15648.9	99.3
0°-90°	15766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15766.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16502	
5°	16197	###
15°	13453	3785
25°	10862	4914
35°	5989	3709
45°	1628	1357
55°	388	379
65°	93	100
75°	15	17
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16501.9
1°	16526.5
2°	16506.9
3°	16442.9
4°	16334.8
5°	16197.1
6°	15995.5
7°	15774.2
8°	15518.5
9°	15238.2
10°	14943.2
11°	14648.2
12°	14343.3
13°	14033.5
14°	13738.5
15°	13453.3
16°	13182.9
17°	12922.3
18°	12686.2
19°	12440.4
20°	12189.6
22.5°	11565.1
25°	10862.0
27.5°	9932.6
30°	8801.7
32.5°	7439.6
35°	5989.1
37.5°	4572.9
40°	3299.4
42.5°	2335.6
45°	1627.6
47.5°	1145.7
50°	772.0
52.5°	565.5
55°	388.5
57.5°	280.3
60°	186.9
62.5°	137.7
65°	93.4
67.5°	63.9
70°	34.4
72.5°	24.6
75°	14.8
77.5°	4.9
80°	4.9



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)