

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: P250054

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBN0WH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150835 8LBN0WH  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH WHEAT TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14621.0 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

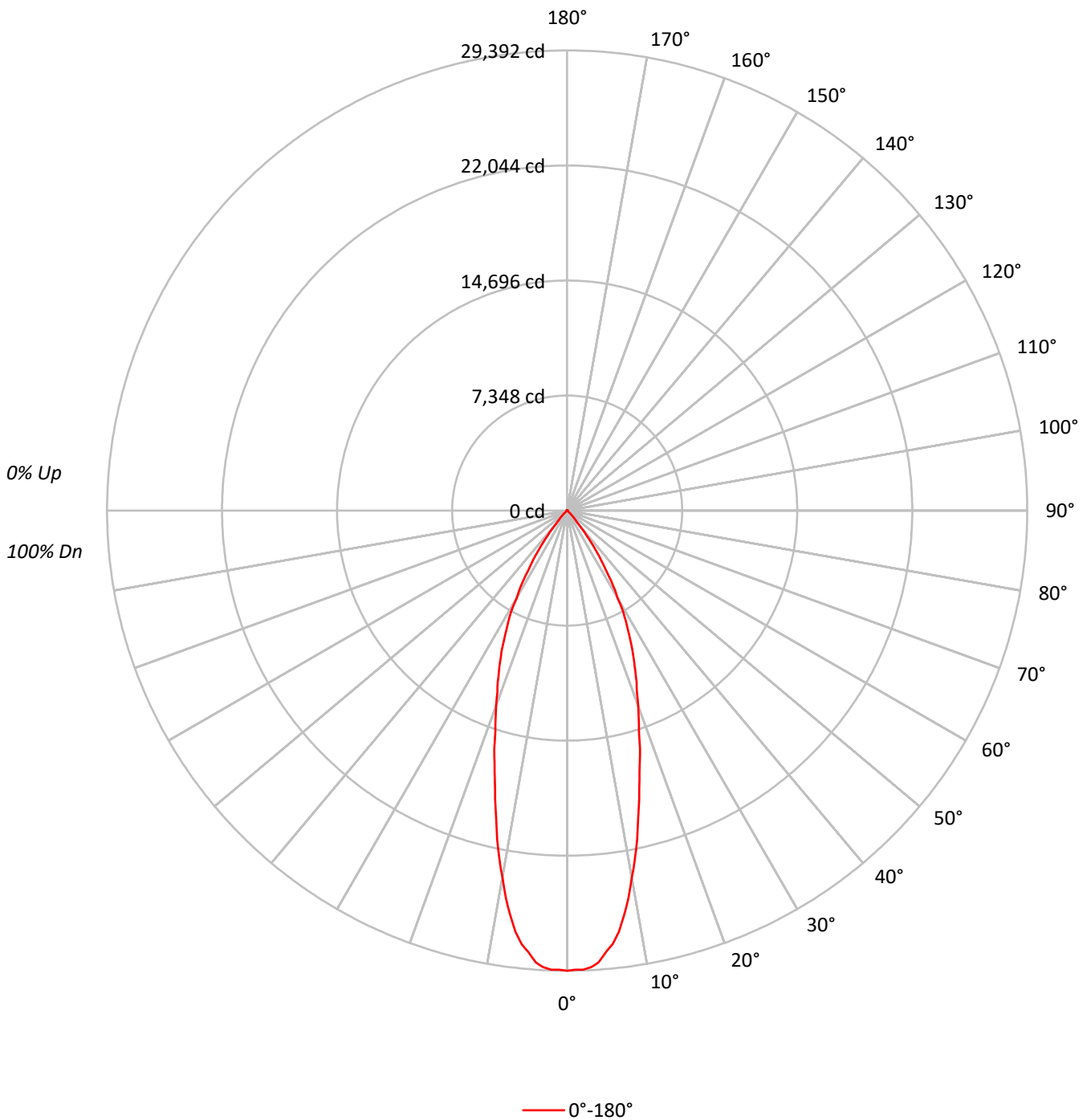
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

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

	0°
0°	906335
5°	876475
10°	745386
15°	568910
20°	434790
25°	336927
30°	229799
35°	135011
40°	41280
45°	16240
50°	245
55°	274
60°	315
65°	744
70°	1388
75°	1215
80°	906
85°	5449



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2567.0	17.6
10°-20°	4974.2	34.0
20°-30°	4478.3	30.6
30°-40°	2215.7	15.2
40°-50°	337.1	2.3
50°-60°	13.8	0.1
60°-70°	17.8	0.1
70°-80°	6.7	0.0
80°-90°	10.5	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°	12019.4	82.2
0°-40°	14235.1	97.4
0°-60°	14586.0	99.8
0°-90°	14621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14621.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	29392	
5°	28315	###
15°	17821	4974
25°	9903	4478
35°	3586	2216
45°	372	337
55°	5	14
65°	10	18
75°	10	7
85°	15	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	29391.8
1°	29330.6
2°	29345.7
3°	29197.8
4°	28927.5
5°	28315.3
6°	27845.9
7°	27101.1
8°	26101.1
9°	25060.2
10°	23805.1
11°	22682.8
12°	21478.8
13°	20147.2
14°	18999.3
15°	17820.7
16°	16815.6
17°	15928.0
18°	14836.1
19°	14035.1
20°	13249.6
21°	12433.1
22°	11836.3
23°	11142.4
24°	10504.6
25°	9902.6
26°	9193.4
27°	8555.8
28°	7984.3
29°	7356.8
30°	6453.8
31°	5943.7
32°	5300.8
33°	4596.7
34°	4061.0
35°	3586.5
37.5°	2270.2
40°	1025.5
42.5°	699.0
45°	372.4
47.5°	209.1
50°	5.1
52.5°	20.5
55°	5.1
57.5°	30.7



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**CANDELA DISTRIBUTION (continued):**

	0°
60°	5.1
62.5°	25.6
65°	10.2
67.5°	25.6
70°	15.4
72.5°	5.1
75°	10.2
77.5°	0.0
80°	5.1
82.5°	20.5
85°	15.4
87.5°	0.0
90°	0.0

(END OF REPORT)