

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: P244709

Luminaire Tested: **LSR8B50D010 EC8B50935 8LBW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244709  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B50D010 EC8B50935 8LBW0WMH  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4567.0 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

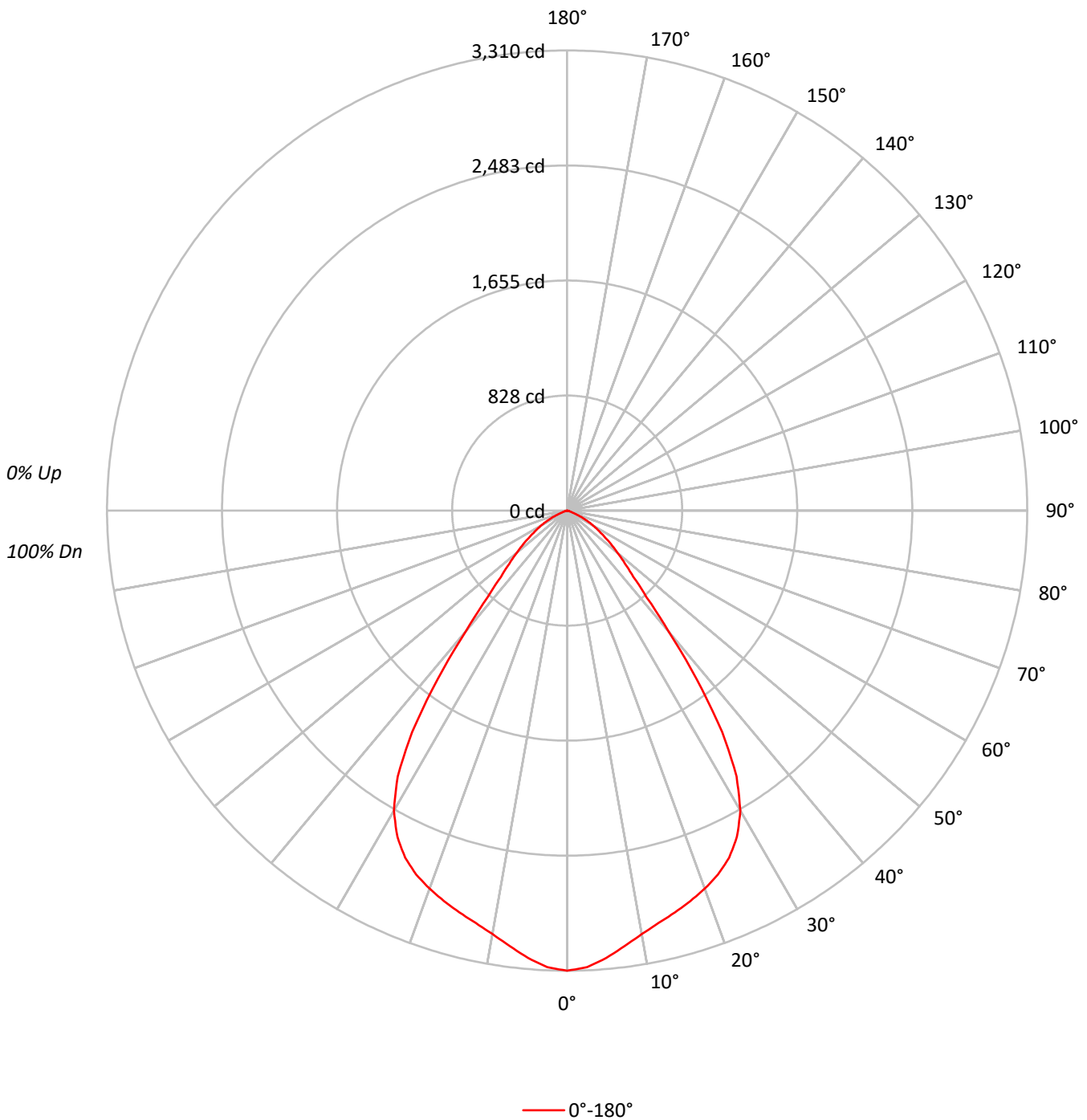
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

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

	0°
0°	102059
5°	100007
10°	96839
15°	95536
20°	94964
25°	93764
30°	88725
35°	73180
40°	45692
45°	29384
50°	22787
55°	17542
60°	13290
65°	8639
70°	3697
75°	1811
80°	817
85°	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.9	6.7
10°-20°	845.4	18.5
20°-30°	1259.3	27.6
30°-40°	1169.5	25.6
40°-50°	552.4	12.1
50°-60°	296.8	6.5
60°-70°	119.2	2.6
70°-80°	18.8	0.4
80°-90°	1.8	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°	2408.6	52.7
0°-40°	3578.1	78.3
0°-60°	4427.3	96.9
0°-90°	4567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4567.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3310	
5°	3231	304
15°	2993	845
25°	2756	1259
35°	1944	1169
45°	674	552
55°	326	297
65°	118	119
75°	15	19
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3309.7
2.5°	3287.0
5°	3230.8
7.5°	3159.5
10°	3092.7
12.5°	3038.1
15°	2992.6
17.5°	2945.5
20°	2893.9
22.5°	2834.7
25°	2755.8
27.5°	2645.1
30°	2491.8
32.5°	2267.2
35°	1944.0
37.5°	1531.2
40°	1135.1
42.5°	845.3
45°	673.8
47.5°	563.0
50°	475.0
52.5°	396.1
55°	326.3
57.5°	265.6
60°	215.5
62.5°	168.4
65°	118.4
67.5°	69.8
70°	41.0
72.5°	24.3
75°	15.2
77.5°	9.1
80°	4.6
82.5°	3.0
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)