

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: P246576

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10935 8LBW0MW  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 986.0 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

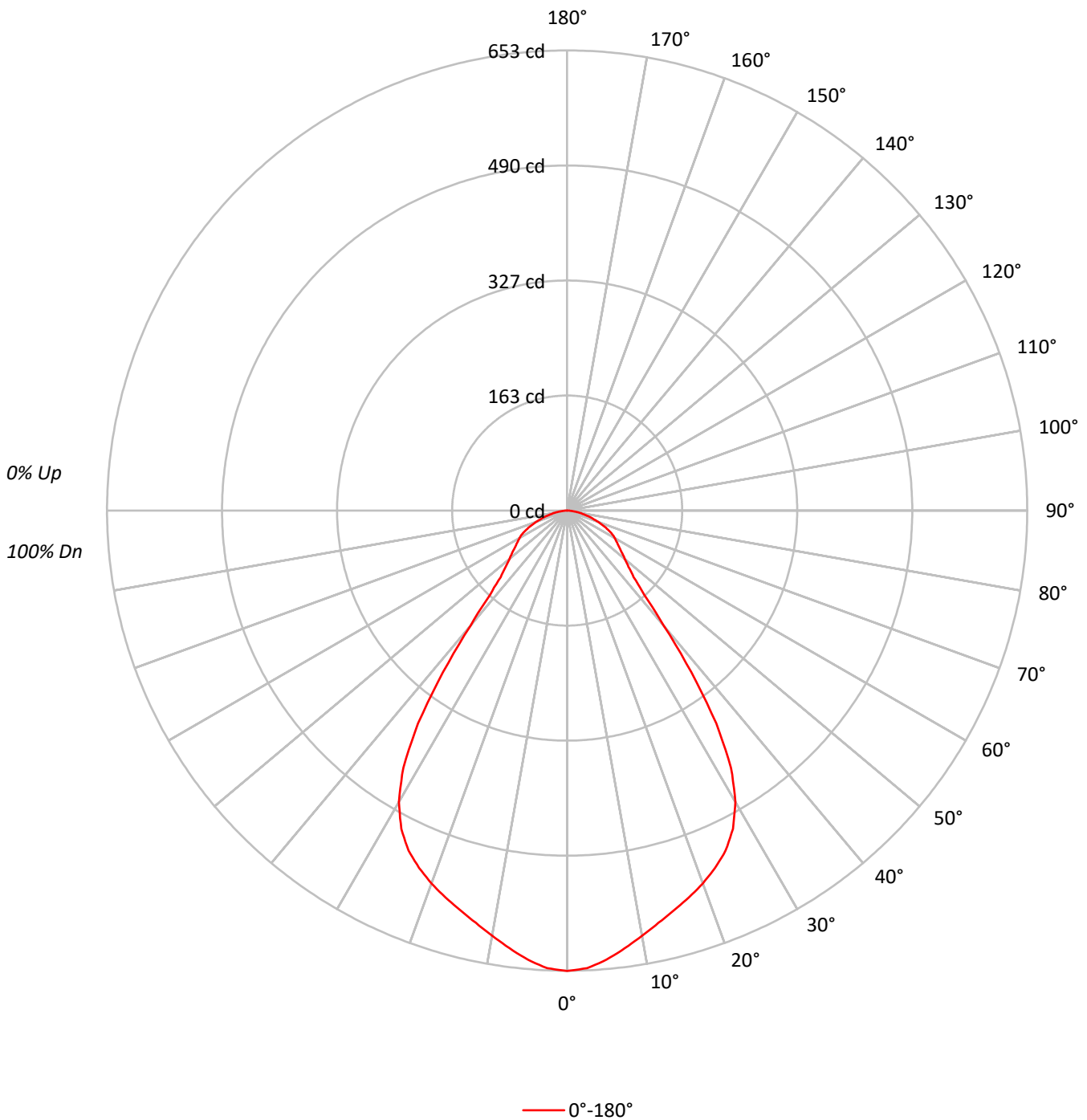
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

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

	0°
0°	20145
5°	19804
10°	19182
15°	18739
20°	18472
25°	18111
30°	17002
35°	13879
40°	8598
45°	5822
50°	5133
55°	4844
60°	4804
65°	4655
70°	4174
75°	3610
80°	3054
85°	2441



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.2	6.1
10°-20°	165.8	16.8
20°-30°	243.1	24.7
30°-40°	222.2	22.5
40°-50°	110.0	11.2
50°-60°	81.4	8.3
60°-70°	62.5	6.3
70°-80°	32.6	3.3
80°-90°	8.1	0.8
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
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0°-30°	469.1	47.6
0°-40°	691.3	70.1
0°-60°	882.7	89.5
0°-90°	986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	653	
5°	640	60
15°	587	166
25°	532	243
35°	369	222
45°	134	110
55°	90	81
65°	64	63
75°	30	33
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	653.3
2.5°	649.9
5°	639.8
7.5°	626.4
10°	612.6
12.5°	599.2
15°	587.0
17.5°	575.4
20°	562.9
22.5°	548.8
25°	532.3
27.5°	509.4
30°	477.5
32.5°	432.8
35°	368.7
37.5°	289.3
40°	213.6
42.5°	161.7
45°	133.5
47.5°	118.2
50°	107.0
52.5°	97.9
55°	90.1
57.5°	83.5
60°	77.9
62.5°	71.9
65°	63.8
67.5°	55.0
70°	46.3
72.5°	38.2
75°	30.3
77.5°	23.5
80°	17.2
82.5°	11.9
85°	6.9
87.5°	2.5
90°	0.0

(END OF REPORT)