

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: P247752

Luminaire Tested: **LSR8B100D010 EC8B100940 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B100D010 EC8B100940 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10724.0 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

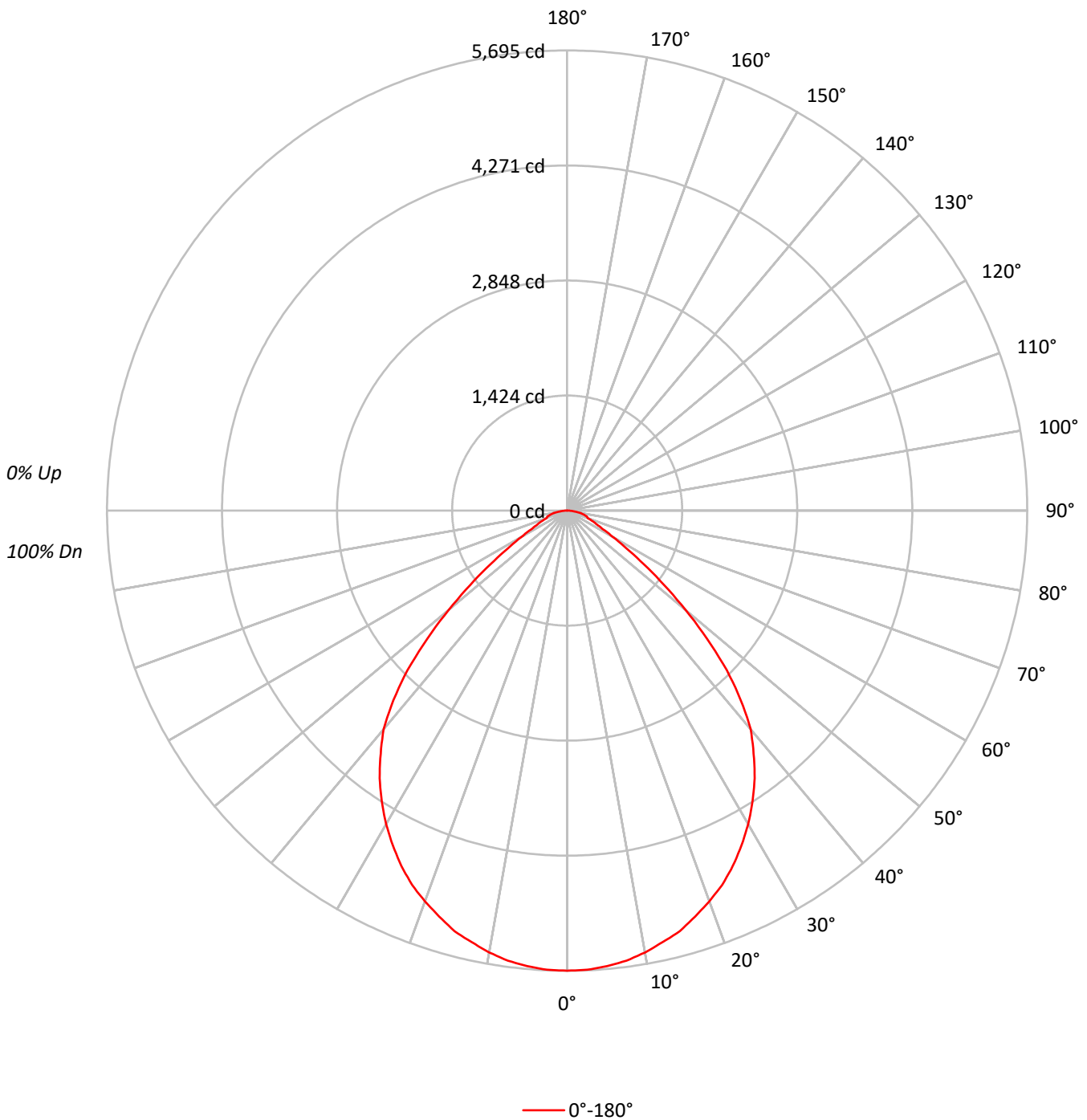
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	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	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

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

	0°
0°	175600
5°	175160
10°	173851
15°	172039
20°	168864
25°	165122
30°	159575
35°	152323
40°	142241
45°	121844
50°	91618
55°	62100
60°	40402
65°	29646
70°	24208
75°	27438
80°	28768
85°	23351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	537.0	5.0
10°-20°	1516.0	14.1
20°-30°	2230.3	20.8
30°-40°	2519.1	23.5
40°-50°	2121.5	19.8
50°-60°	1070.4	10.0
60°-70°	419.3	3.9
70°-80°	236.8	2.2
80°-90°	73.6	0.7
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°	4283.2	39.9
0°-40°	6802.4	63.4
0°-60°	9994.3	93.2
0°-90°	10724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5695	
5°	5659	537
15°	5389	1516
25°	4853	2230
35°	4046	2519
45°	2794	2122
55°	1155	1070
65°	406	419
75°	230	237
85°	66	74
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5694.6
2.5°	5688.8
5°	5658.7
7.5°	5619.3
10°	5552.2
12.5°	5468.9
15°	5389.0
17.5°	5267.5
20°	5145.9
22.5°	5014.0
25°	4853.1
27.5°	4671.4
30°	4481.6
32.5°	4268.6
35°	4046.4
37.5°	3791.7
40°	3533.6
42.5°	3181.8
45°	2794.0
47.5°	2349.6
50°	1909.8
52.5°	1512.8
55°	1155.1
57.5°	870.4
60°	655.1
62.5°	500.0
65°	406.3
67.5°	331.0
70°	268.5
72.5°	259.3
75°	230.3
77.5°	192.1
80°	162.0
82.5°	103.0
85°	66.0
87.5°	20.8
90°	0.0

(END OF REPORT)