

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: P247746

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247746  
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: LSR8B80D010 EC8B80935 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 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: 7901.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 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

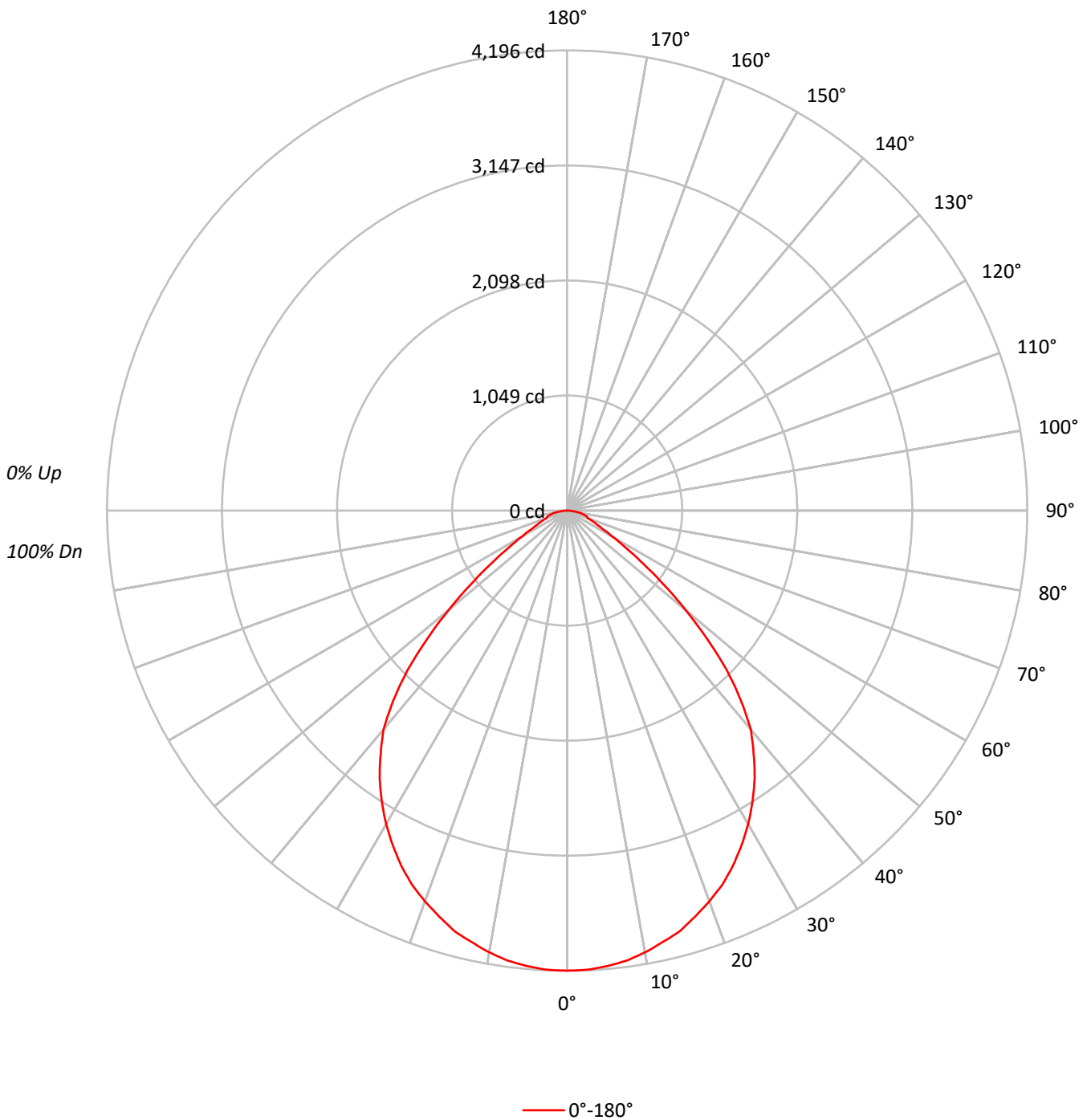
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	129374
5°	129051
10°	128085
15°	126751
20°	124413
25°	121657
30°	117566
35°	112225
40°	104797
45°	89769
50°	67498
55°	45751
60°	29769
65°	21838
70°	17834
75°	20218
80°	21203
85°	17195



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.6	5.0
10°-20°	1116.9	14.1
20°-30°	1643.2	20.8
30°-40°	1856.0	23.5
40°-50°	1563.0	19.8
50°-60°	788.6	10.0
60°-70°	308.9	3.9
70°-80°	174.5	2.2
80°-90°	54.3	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°	3155.7	39.9
0°-40°	5011.7	63.4
0°-60°	7363.3	93.2
0°-90°	7901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7901.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4196	
5°	4169	396
15°	3970	1117
25°	3576	1643
35°	2981	1856
45°	2058	1563
55°	851	789
65°	299	309
75°	170	174
85°	49	54
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4195.5
2.5°	4191.3
5°	4169.1
7.5°	4140.1
10°	4090.6
12.5°	4029.2
15°	3970.4
17.5°	3880.9
20°	3791.3
22.5°	3694.1
25°	3575.6
27.5°	3441.7
30°	3301.8
32.5°	3144.9
35°	2981.2
37.5°	2793.6
40°	2603.4
42.5°	2344.2
45°	2058.5
47.5°	1731.1
50°	1407.0
52.5°	1114.5
55°	851.0
57.5°	641.3
60°	482.7
62.5°	368.4
65°	299.3
67.5°	243.9
70°	197.8
72.5°	191.0
75°	169.7
77.5°	141.6
80°	119.4
82.5°	75.9
85°	48.6
87.5°	15.3
90°	0.0

(END OF REPORT)