

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: P247733

Luminaire Tested: **LSR8B120D010 EC8B120840 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247733  
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: LSR8B120D010 EC8B120840 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13559.0 lumens  
Efficiency: N/A  
Efficacy: 114.6 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

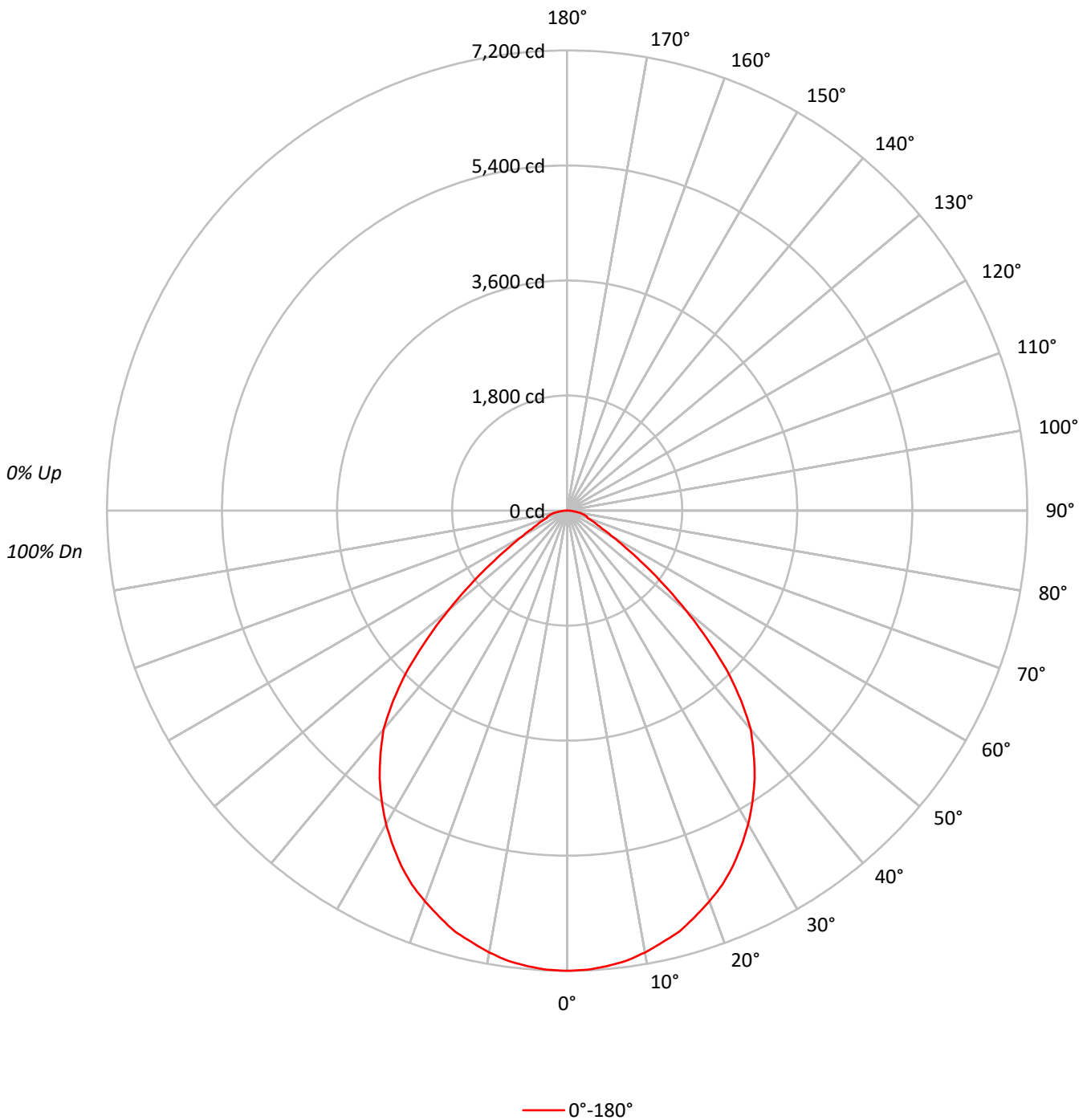
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	222021
5°	221464
10°	219810
15°	217518
20°	213506
25°	208775
30°	201758
35°	192591
40°	179847
45°	154058
50°	115835
55°	78519
60°	51083
65°	37482
70°	30609
75°	34694
80°	36386
85°	29508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	679.0	5.0
10°-20°	1916.7	14.1
20°-30°	2819.9	20.8
30°-40°	3185.1	23.5
40°-50°	2682.4	19.8
50°-60°	1353.3	10.0
60°-70°	530.2	3.9
70°-80°	299.4	2.2
80°-90°	93.1	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°	5415.5	39.9
0°-40°	8600.6	63.4
0°-60°	12636.3	93.2
0°-90°	13559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7200	
5°	7155	679
15°	6814	1917
25°	6136	2820
35°	5116	3185
45°	3533	2682
55°	1460	1353
65°	514	530
75°	291	299
85°	83	93
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7200.0
2.5°	7192.7
5°	7154.6
7.5°	7104.9
10°	7020.0
12.5°	6914.6
15°	6813.6
17.5°	6660.0
20°	6506.3
22.5°	6339.5
25°	6136.1
27.5°	5906.3
30°	5666.3
32.5°	5397.1
35°	5116.1
37.5°	4794.1
40°	4467.8
42.5°	4022.9
45°	3532.7
47.5°	2970.7
50°	2414.6
52.5°	1912.7
55°	1460.5
57.5°	1100.5
60°	828.3
62.5°	632.2
65°	513.7
67.5°	418.5
70°	339.5
72.5°	327.8
75°	291.2
77.5°	242.9
80°	204.9
82.5°	130.2
85°	83.4
87.5°	26.3
90°	0.0

(END OF REPORT)