

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: P247725

Luminaire Tested: **LSR8B120D010 EC8B120830 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247725  
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 EC8B120830 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13125.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 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

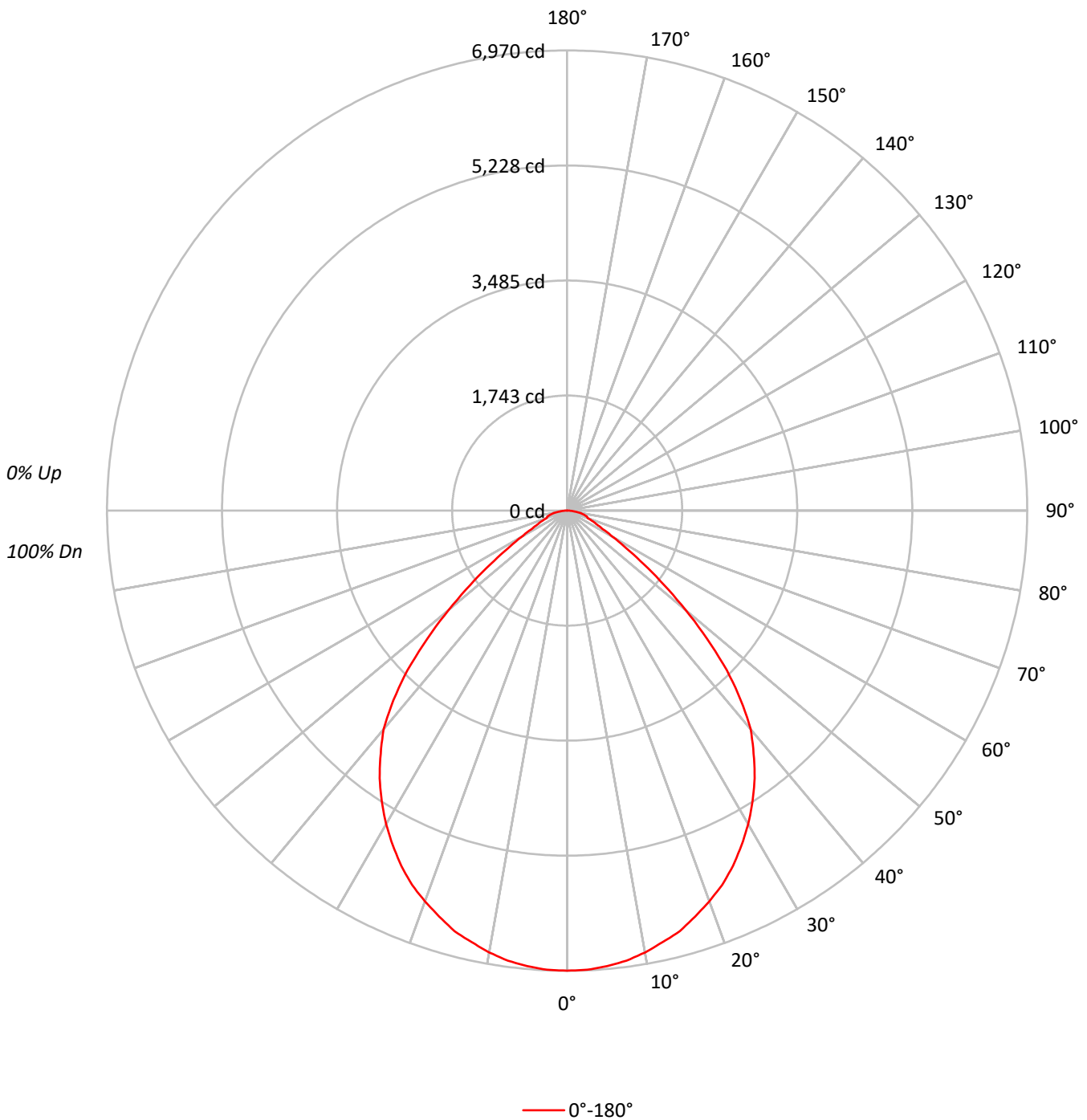
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	214914
5°	214376
10°	212775
15°	210555
20°	206674
25°	202093
30°	195303
35°	186425
40°	174090
45°	149126
50°	112127
55°	76003
60°	49449
65°	36278
70°	29626
75°	33586
80°	35214
85°	28552



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	657.2	5.0
10°-20°	1855.4	14.1
20°-30°	2729.6	20.8
30°-40°	3083.1	23.5
40°-50°	2596.5	19.8
50°-60°	1310.0	10.0
60°-70°	513.2	3.9
70°-80°	289.8	2.2
80°-90°	90.1	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°	5242.2	39.9
0°-40°	8325.4	63.4
0°-60°	12231.9	93.2
0°-90°	13125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13125.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6970	
5°	6926	657
15°	6596	1855
25°	5940	2730
35°	4952	3083
45°	3420	2597
55°	1414	1310
65°	497	513
75°	282	290
85°	81	90
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6969.5
2.5°	6962.4
5°	6925.6
7.5°	6877.4
10°	6795.3
12.5°	6693.3
15°	6595.5
17.5°	6446.8
20°	6298.1
22.5°	6136.6
25°	5939.7
27.5°	5717.3
30°	5485.0
32.5°	5224.3
35°	4952.3
37.5°	4640.7
40°	4324.8
42.5°	3894.1
45°	3419.6
47.5°	2875.6
50°	2337.3
52.5°	1851.5
55°	1413.7
57.5°	1065.3
60°	801.8
62.5°	612.0
65°	497.2
67.5°	405.1
70°	328.6
72.5°	317.3
75°	281.9
77.5°	235.2
80°	198.3
82.5°	126.1
85°	80.7
87.5°	25.5
90°	0.0

(END OF REPORT)