

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: P244023

Luminaire Tested: **LSR8B30D010 EC8B30830 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-12)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30830 8LBS0LI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3353.0 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

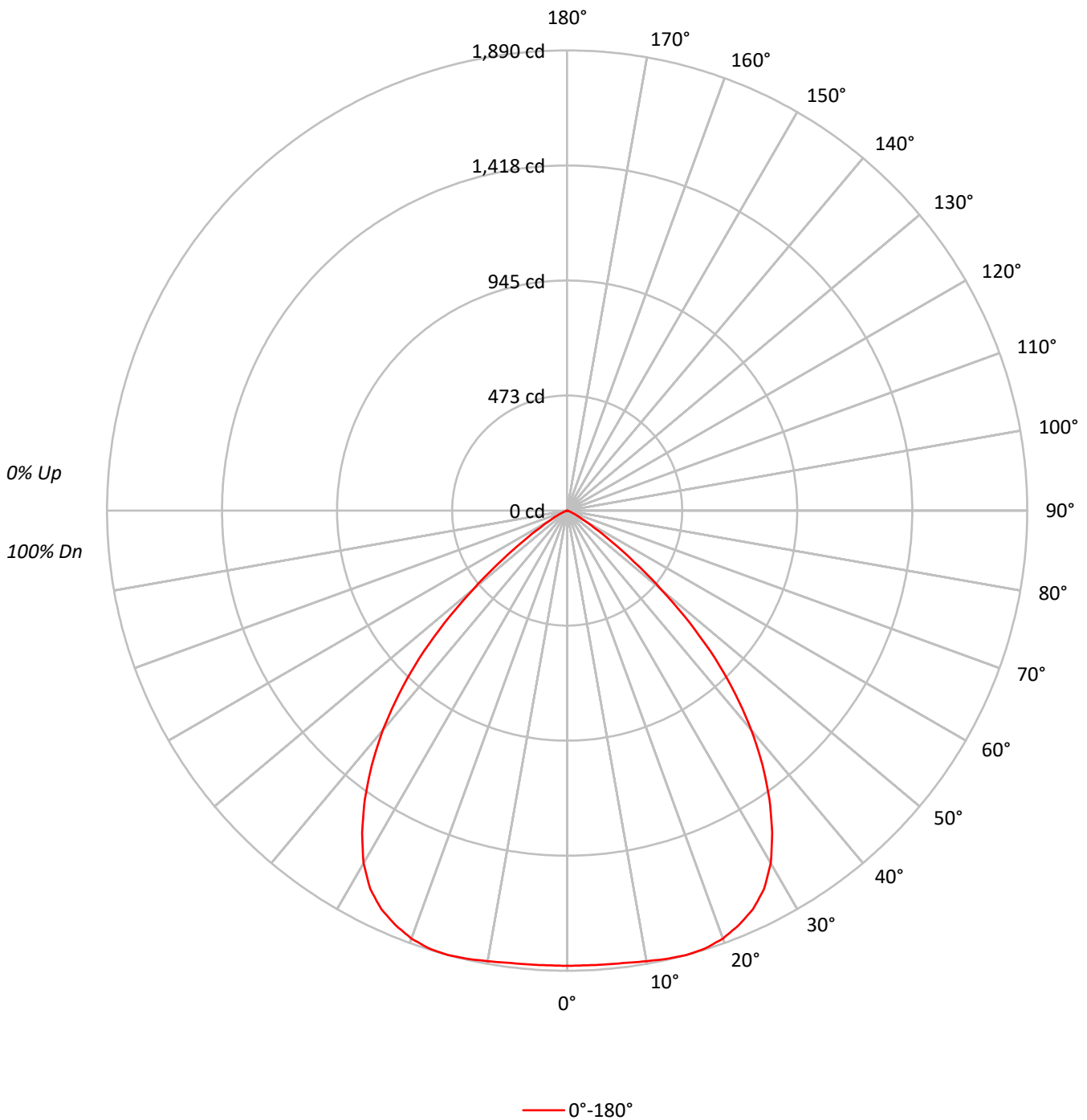
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88		91	88	86		88	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	80	70	62	57	79	69	62	57	67	61	56		66	60	56		64	59	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	71	59	52	47	69	58	52	47	57	51	47		56	51	46		55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51	46	42	41
10	62	51	44	39	61	50	44	39	50	43	39		49	43	39		48	43	39	37

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

	0°
0°	57648
5°	57897
10°	58838
15°	60327
20°	61378
25°	61448
30°	59545
35°	54520
40°	47383
45°	37491
50°	24313
55°	12150
60°	5100
65°	2247
70°	694
75°	346
80°	337
85°	354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.8	5.3
10°-20°	534.0	15.9
20°-30°	827.2	24.7
30°-40°	898.4	26.8
40°-50°	652.8	19.5
50°-60°	221.9	6.6
60°-70°	35.4	1.1
70°-80°	3.8	0.1
80°-90°	0.8	0.0
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°	1540.0	45.9
0°-40°	2438.4	72.7
0°-60°	3313.1	98.8
0°-90°	3353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3353.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1870	
5°	1870	179
15°	1890	534
25°	1806	827
35°	1448	898
45°	860	653
55°	226	222
65°	31	35
75°	3	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1869.5
2.5°	1869.5
5°	1870.4
7.5°	1873.3
10°	1879.1
12.5°	1885.8
15°	1889.7
17.5°	1885.8
20°	1870.4
22.5°	1842.6
25°	1806.0
27.5°	1751.2
30°	1672.3
32.5°	1567.5
35°	1448.3
37.5°	1318.4
40°	1177.1
42.5°	1024.2
45°	859.7
47.5°	682.8
50°	506.8
52.5°	347.2
55°	226.0
57.5°	137.5
60°	82.7
62.5°	51.0
65°	30.8
67.5°	17.3
70°	7.7
72.5°	4.8
75°	2.9
77.5°	1.9
80°	1.9
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)