

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: P244035

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244035  
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 EC8B30840 8LBS0LI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3464.1 lumens  
Efficiency: N/A  
Efficacy: 127.8 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

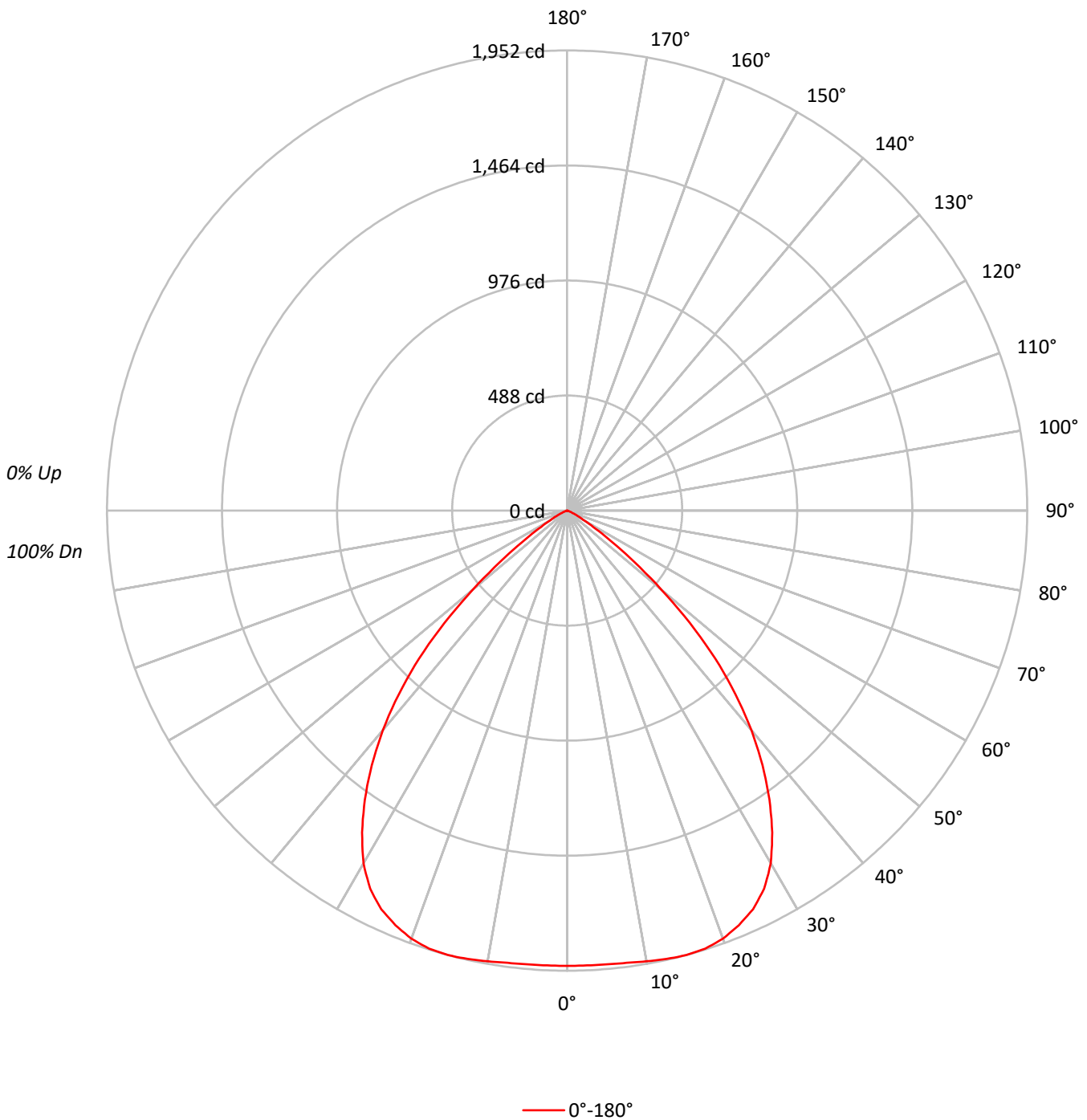
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	59557
5°	59816
10°	60786
15°	62322
20°	63412
25°	63482
30°	61518
35°	56323
40°	48949
45°	38734
50°	25119
55°	12553
60°	5267
65°	2320
70°	712
75°	357
80°	355
85°	354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.7	5.3
10°-20°	551.7	15.9
20°-30°	854.6	24.7
30°-40°	928.1	26.8
40°-50°	674.4	19.5
50°-60°	229.2	6.6
60°-70°	36.5	1.1
70°-80°	3.9	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°	1591.0	45.9
0°-40°	2519.1	72.7
0°-60°	3422.8	98.8
0°-90°	3464.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1931	
5°	1932	185
15°	1952	552
25°	1866	855
35°	1496	928
45°	888	674
55°	234	229
65°	32	37
75°	3	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1931.4
2.5°	1931.4
5°	1932.4
7.5°	1935.3
10°	1941.3
12.5°	1948.3
15°	1952.2
17.5°	1948.3
20°	1932.4
22.5°	1903.6
25°	1865.8
27.5°	1809.2
30°	1727.7
32.5°	1619.4
35°	1496.2
37.5°	1362.1
40°	1216.0
42.5°	1058.1
45°	888.2
47.5°	705.4
50°	523.6
52.5°	358.7
55°	233.5
57.5°	142.1
60°	85.4
62.5°	52.7
65°	31.8
67.5°	17.9
70°	7.9
72.5°	5.0
75°	3.0
77.5°	2.0
80°	2.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)