

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: P246489

Luminaire Tested: **LSR8B30D010 EC8B30850 8LBS0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246489  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-17)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B30D010 EC8B30850 8LBS0B  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2855.0 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

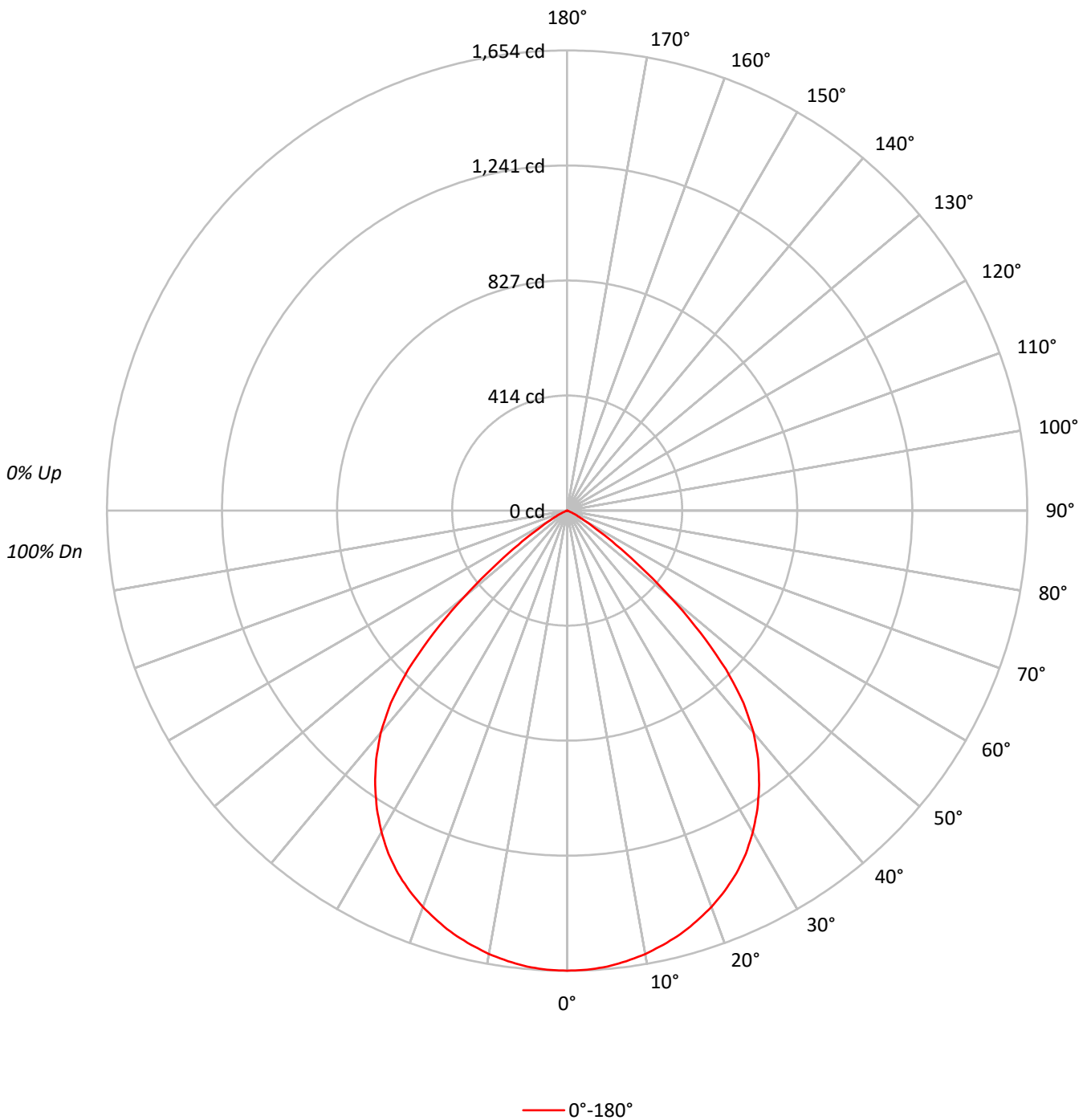
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P246489

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBS0B

### Luminous Intensity Polar Plot





TEST NUMBER: P246489

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBS0B

**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	103	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	105	99	94	90	103	98	93	89	94	90	87		91	88	85		88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		69	64	61	59
6	80	69	62	56	78	68	61	56	67	60	56		65	60	55		64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	51		60	54	50		59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46		56	50	46		54	49	46	44
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

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

	0°
0°	51000
5°	50944
10°	50675
15°	50309
20°	49755
25°	48967
30°	47531
35°	45293
40°	41953
45°	35201
50°	23272
55°	11489
60°	4558
65°	1773
70°	270
75°	0
80°	0
85°	0



TEST NUMBER: P246489

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBS0B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.2	5.5
10°-20°	444.2	15.6
20°-30°	661.2	23.2
30°-40°	748.9	26.2
40°-50°	605.4	21.2
50°-60°	210.0	7.4
60°-70°	28.7	1.0
70°-80°	0.4	0.0
80°-90°	0.0	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°	1261.6	44.2
0°-40°	2010.5	70.4
0°-60°	2825.9	99.0
0°-90°	2855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2855.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1654	
5°	1646	156
15°	1576	444
25°	1439	661
35°	1203	749
45°	807	605
55°	214	210
65°	24	29
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246489

CATALOG NUMBER: LSR8B30D010 EC8B30850 8LBS0B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1653.9
2.5°	1651.9
5°	1645.8
7.5°	1633.6
10°	1618.4
12.5°	1598.2
15°	1575.9
17.5°	1547.6
20°	1516.2
22.5°	1479.7
25°	1439.2
27.5°	1390.6
30°	1334.9
32.5°	1272.1
35°	1203.2
37.5°	1127.2
40°	1042.2
42.5°	937.8
45°	807.2
47.5°	649.2
50°	485.1
52.5°	332.2
55°	213.7
57.5°	126.6
60°	73.9
62.5°	43.6
65°	24.3
67.5°	11.1
70°	3.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)