

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: P245754

Luminaire Tested: **LSR8B10D010 EC8B10835 8LBSOGPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245754  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B10D010 EC8B10835 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1126.0 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

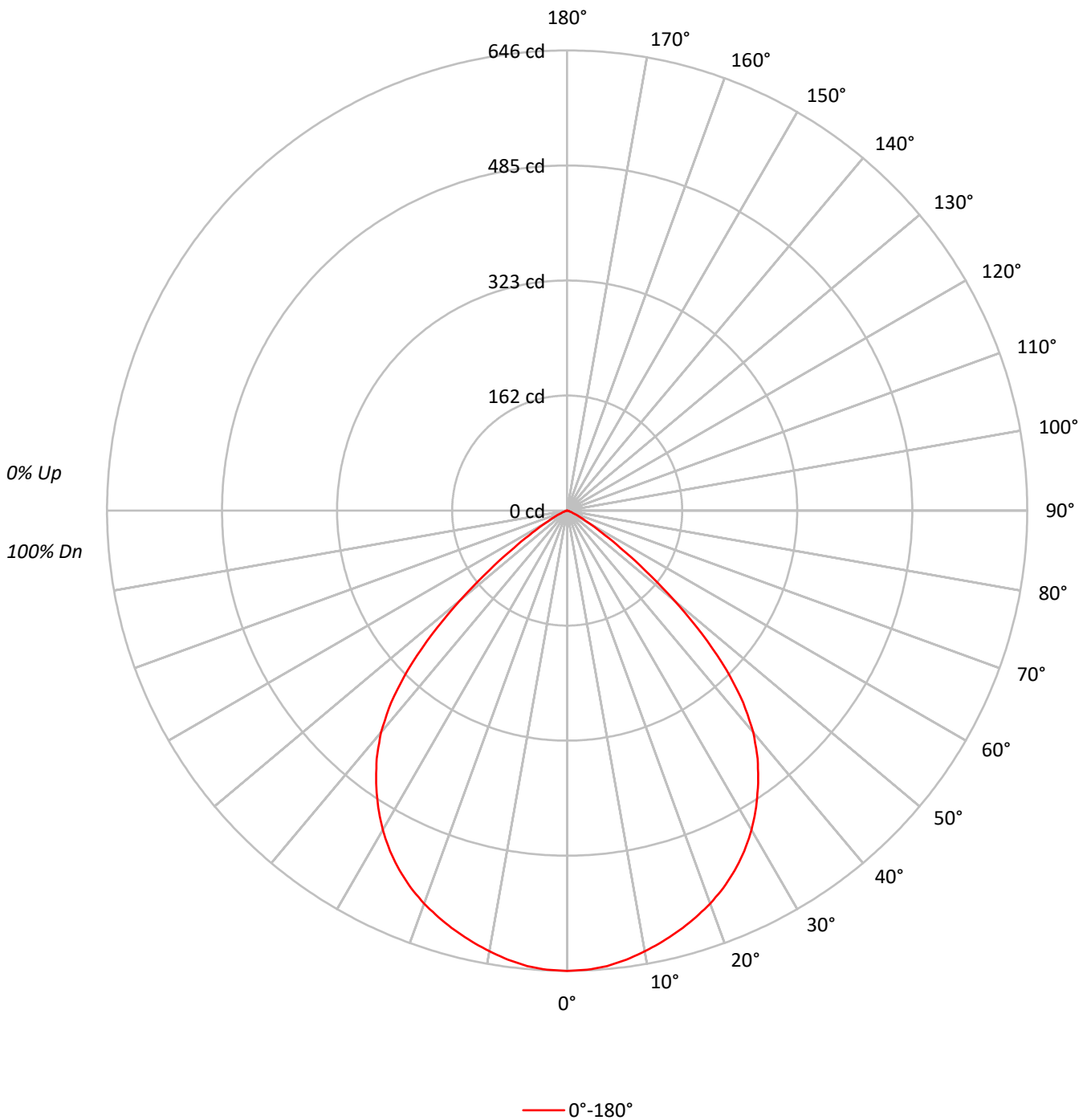
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P245754

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBS0GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P245754

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBS0GPH

**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	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

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

	0°
0°	19930
5°	19869
10°	19673
15°	19471
20°	19269
25°	18951
30°	18434
35°	17595
40°	16359
45°	13811
50°	9379
55°	4898
60°	2196
65°	1073
70°	433
75°	262
80°	195
85°	142



TEST NUMBER: P245754

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBS0GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	5.4
10°-20°	172.0	15.3
20°-30°	256.1	22.7
30°-40°	291.1	25.9
40°-50°	238.1	21.1
50°-60°	88.7	7.9
60°-70°	16.2	1.4
70°-80°	2.5	0.2
80°-90°	0.4	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°	489.0	43.4
0°-40°	780.1	69.3
0°-60°	1106.9	98.3
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	646	
5°	642	61
15°	610	172
25°	557	256
35°	467	291
45°	317	238
55°	91	89
65°	15	16
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P245754

CATALOG NUMBER: LSR8B10D010 EC8B10835 8LBS0GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	646.3
2.5°	645.2
5°	641.9
7.5°	636.0
10°	628.3
12.5°	619.5
15°	609.9
17.5°	598.9
20°	587.2
22.5°	573.2
25°	557.0
27.5°	538.7
30°	517.7
32.5°	493.8
35°	467.4
37.5°	439.1
40°	406.4
42.5°	366.0
45°	316.7
47.5°	257.6
50°	195.5
52.5°	137.8
55°	91.1
57.5°	57.3
60°	35.6
62.5°	22.8
65°	14.7
67.5°	8.5
70°	4.8
72.5°	2.9
75°	2.2
77.5°	1.5
80°	1.1
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)