

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: P245766

Luminaire Tested: **LSR8B10D010 EC8B10850 8LBSOGPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245766  
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 EC8B10850 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1141.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 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

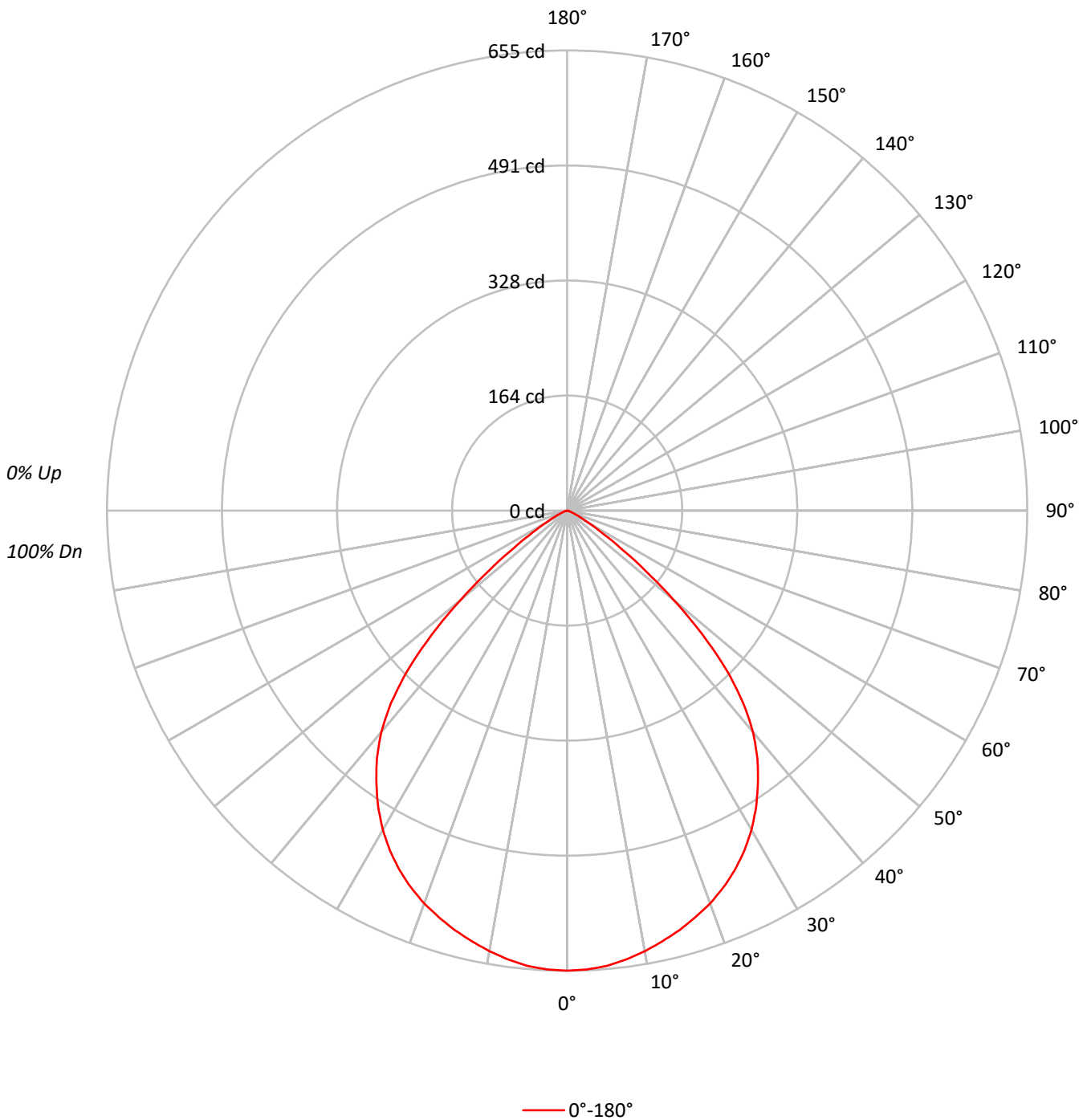
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	20195
5°	20136
10°	19936
15°	19732
20°	19525
25°	19207
30°	18679
35°	17828
40°	16577
45°	13999
50°	9503
55°	4962
60°	2226
65°	1087
70°	433
75°	262
80°	195
85°	142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.6	5.4
10°-20°	174.3	15.3
20°-30°	259.5	22.7
30°-40°	295.0	25.9
40°-50°	241.2	21.1
50°-60°	89.9	7.9
60°-70°	16.4	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°	495.5	43.4
0°-40°	790.5	69.3
0°-60°	1121.6	98.3
0°-90°	1141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	655	
5°	650	62
15°	618	174
25°	564	260
35°	474	295
45°	321	241
55°	92	90
65°	15	16
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	654.9
2.5°	653.8
5°	650.5
7.5°	644.5
10°	636.7
12.5°	627.8
15°	618.1
17.5°	606.9
20°	595.0
22.5°	580.8
25°	564.5
27.5°	545.8
30°	524.6
32.5°	500.4
35°	473.6
37.5°	444.9
40°	411.8
42.5°	370.8
45°	321.0
47.5°	261.0
50°	198.1
52.5°	139.6
55°	92.3
57.5°	58.1
60°	36.1
62.5°	23.1
65°	14.9
67.5°	8.6
70°	4.8
72.5°	3.0
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)