

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: P244020

Luminaire Tested: **LD8B10D010 ER8B10830 8LBSOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244020  
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: LD8B10D010 ER8B10830 8LBSOLI  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1225.0 lumens  
Efficiency: N/A  
Efficacy: 120.1 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

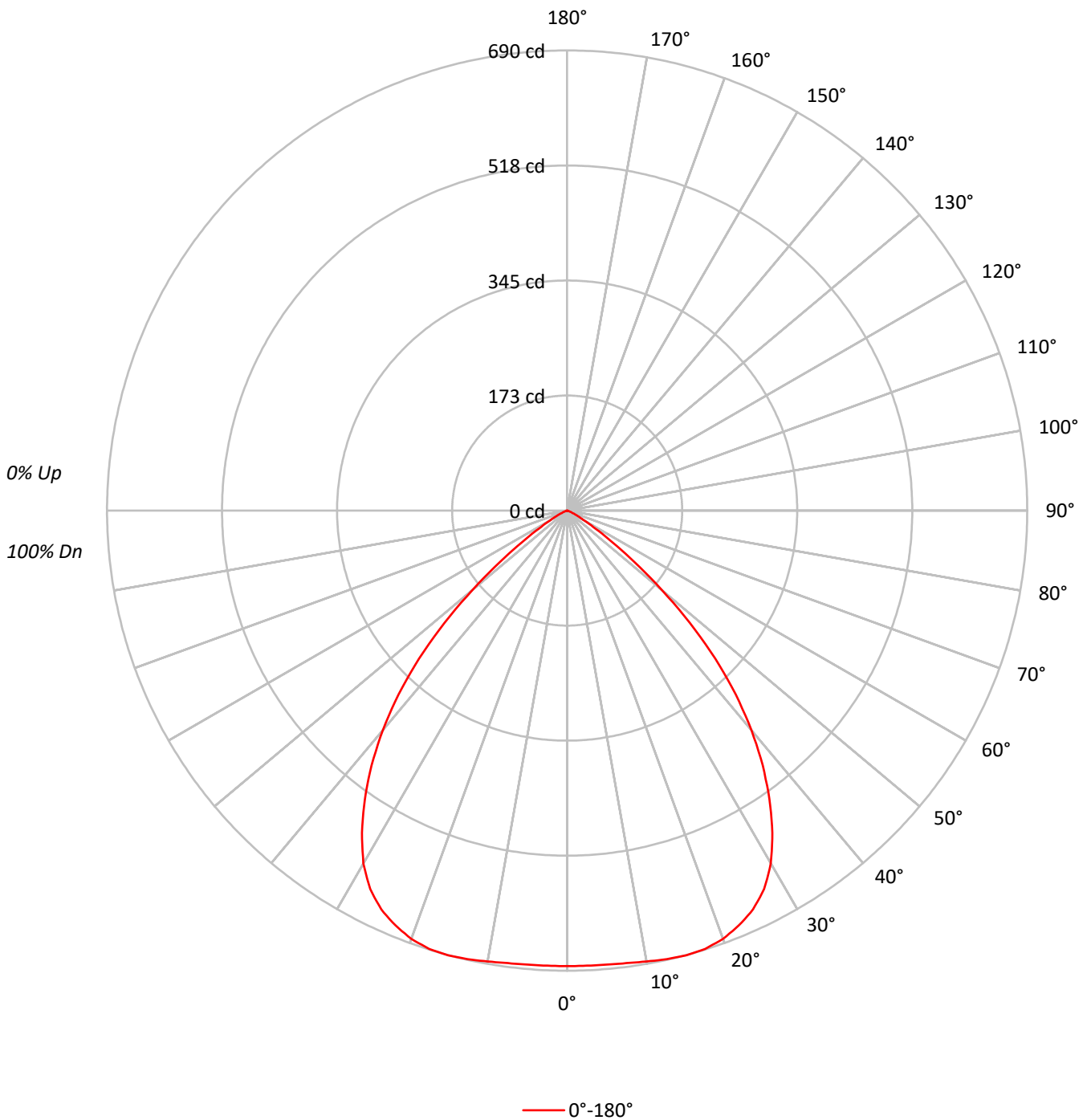
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244020

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSOLI

### Luminous Intensity Polar Plot





TEST NUMBER: P244020

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSOLI

**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°	21061
5°	21154
10°	21496
15°	22040
20°	22426
25°	22449
30°	21756
35°	19918
40°	17309
45°	13698
50°	8885
55°	4441
60°	1863
65°	817
70°	252
75°	131
80°	124
85°	142



TEST NUMBER: P244020

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSOLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.3	5.3
10°-20°	195.1	15.9
20°-30°	302.2	24.7
30°-40°	328.2	26.8
40°-50°	238.5	19.5
50°-60°	81.1	6.6
60°-70°	12.9	1.1
70°-80°	1.4	0.1
80°-90°	0.3	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°	562.7	45.9
0°-40°	890.9	72.7
0°-60°	1210.4	98.8
0°-90°	1225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1225.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	683	
5°	683	65
15°	690	195
25°	660	302
35°	529	328
45°	314	239
55°	83	81
65°	11	13
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P244020

CATALOG NUMBER: LD8B10D010 ER8B10830 8LBSOLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	683.0
2.5°	683.0
5°	683.4
7.5°	684.4
10°	686.5
12.5°	689.0
15°	690.4
17.5°	689.0
20°	683.4
22.5°	673.2
25°	659.8
27.5°	639.8
30°	611.0
32.5°	572.7
35°	529.1
37.5°	481.7
40°	430.0
42.5°	374.2
45°	314.1
47.5°	249.5
50°	185.2
52.5°	126.8
55°	82.6
57.5°	50.2
60°	30.2
62.5°	18.6
65°	11.2
67.5°	6.3
70°	2.8
72.5°	1.8
75°	1.1
77.5°	0.7
80°	0.7
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)