

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: P245730

Luminaire Tested: **LSR8B10D010 EC8B109727 8LBM0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201629)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B109727 8LBM0GPH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

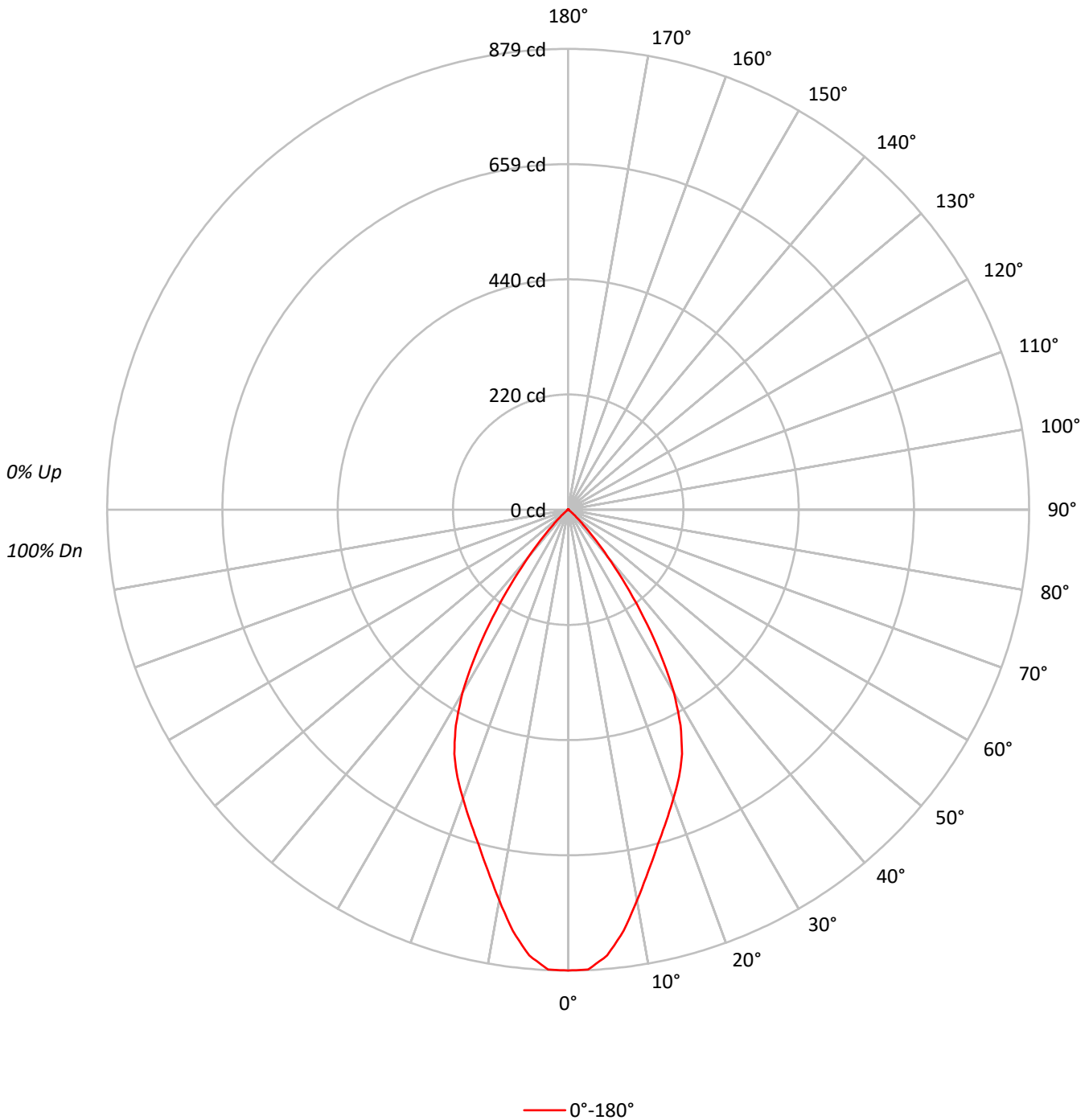
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245730

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBM0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P245730

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBM0GPH

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27105
5°	26419
10°	23688
15°	21092
20°	19246
25°	17478
30°	14335
35°	9437
40°	4702
45°	1749
50°	532
55°	59
60°	37
65°	0
70°	27
75°	107
80°	0
85°	106



TEST NUMBER: P245730

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBM0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	11.3
10°-20°	186.1	26.8
20°-30°	231.8	33.4
30°-40°	156.4	22.6
40°-50°	37.0	5.3
50°-60°	2.7	0.4
60°-70°	0.5	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	496.1	71.6
0°-40°	652.5	94.1
0°-60°	692.1	99.9
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	879	
5°	854	78
15°	661	186
25°	514	232
35°	251	156
45°	40	37
55°	1	3
65°	0	0
75°	1	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



TEST NUMBER: P245730

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBM0GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	879.0
2.5°	877.7
5°	853.5
7.5°	810.0
10°	756.5
12.5°	705.6
15°	660.7
17.5°	622.0
20°	586.5
22.5°	552.1
25°	513.7
27.5°	463.7
30°	402.6
32.5°	328.6
35°	250.7
37.5°	179.4
40°	116.8
42.5°	69.9
45°	40.1
47.5°	22.5
50°	11.1
52.5°	5.1
55°	1.1
57.5°	0.3
60°	0.6
62.5°	0.9
65°	0.0
67.5°	0.6
70°	0.3
72.5°	0.3
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.3
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



TEST NUMBER: P245730

CATALOG NUMBER: LSR8B10D010 EC8B109727 8LBM0GPH

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)