

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: P244290

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B10D010 EC8B10927 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 887.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

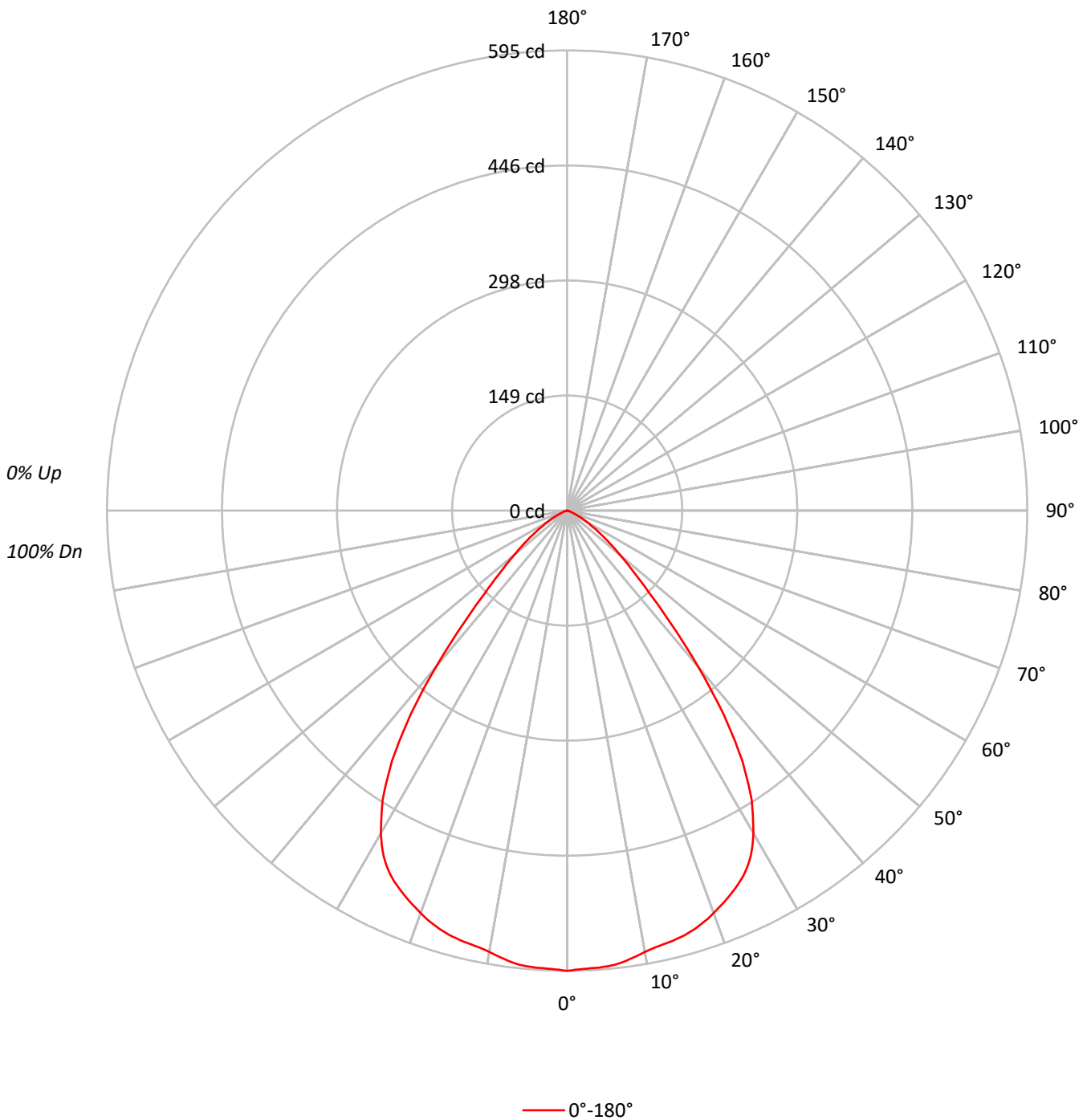
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18354
5°	18312
10°	18145
15°	18216
20°	18173
25°	17999
30°	17155
35°	14851
40°	10595
45°	6511
50°	4298
55°	2844
60°	1819
65°	992
70°	487
75°	238
80°	142
85°	71



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	6.3
10°-20°	160.9	18.1
20°-30°	242.2	27.3
30°-40°	239.8	27.0
40°-50°	121.8	13.7
50°-60°	49.1	5.5
60°-70°	14.8	1.7
70°-80°	2.5	0.3
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°	459.2	51.7
0°-40°	698.9	78.7
0°-60°	869.9	98.0
0°-90°	887.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	595	
5°	592	56
15°	571	161
25°	529	242
35°	394	240
45°	149	122
55°	53	49
65°	14	15
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	595.2
1°	593.9
2°	592.9
3°	592.6
4°	592.3
5°	591.6
6°	590.6
7°	588.5
8°	585.4
9°	582.6
10°	579.5
11°	577.0
12°	575.2
13°	573.9
14°	572.4
15°	570.6
16°	568.2
17°	565.4
18°	562.1
19°	558.2
20°	553.8
21°	549.2
22°	544.6
23°	539.8
24°	534.6
25°	529.0
26°	522.8
27°	514.9
28°	505.7
29°	494.7
30°	481.8
32.5°	444.4
35°	394.5
37.5°	332.4
40°	263.2
42.5°	198.8
45°	149.3
47.5°	114.2
50°	89.6
52.5°	69.5
55°	52.9
57.5°	39.3
60°	29.5
62.5°	21.0
65°	13.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.4
70°	5.4
72.5°	3.4
75°	2.0
77.5°	1.2
80°	0.8
82.5°	0.6
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)