

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: P244284

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244284
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 EC8B10950 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1045.0 lumens
Efficiency: N/A
Efficacy: 102.4 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

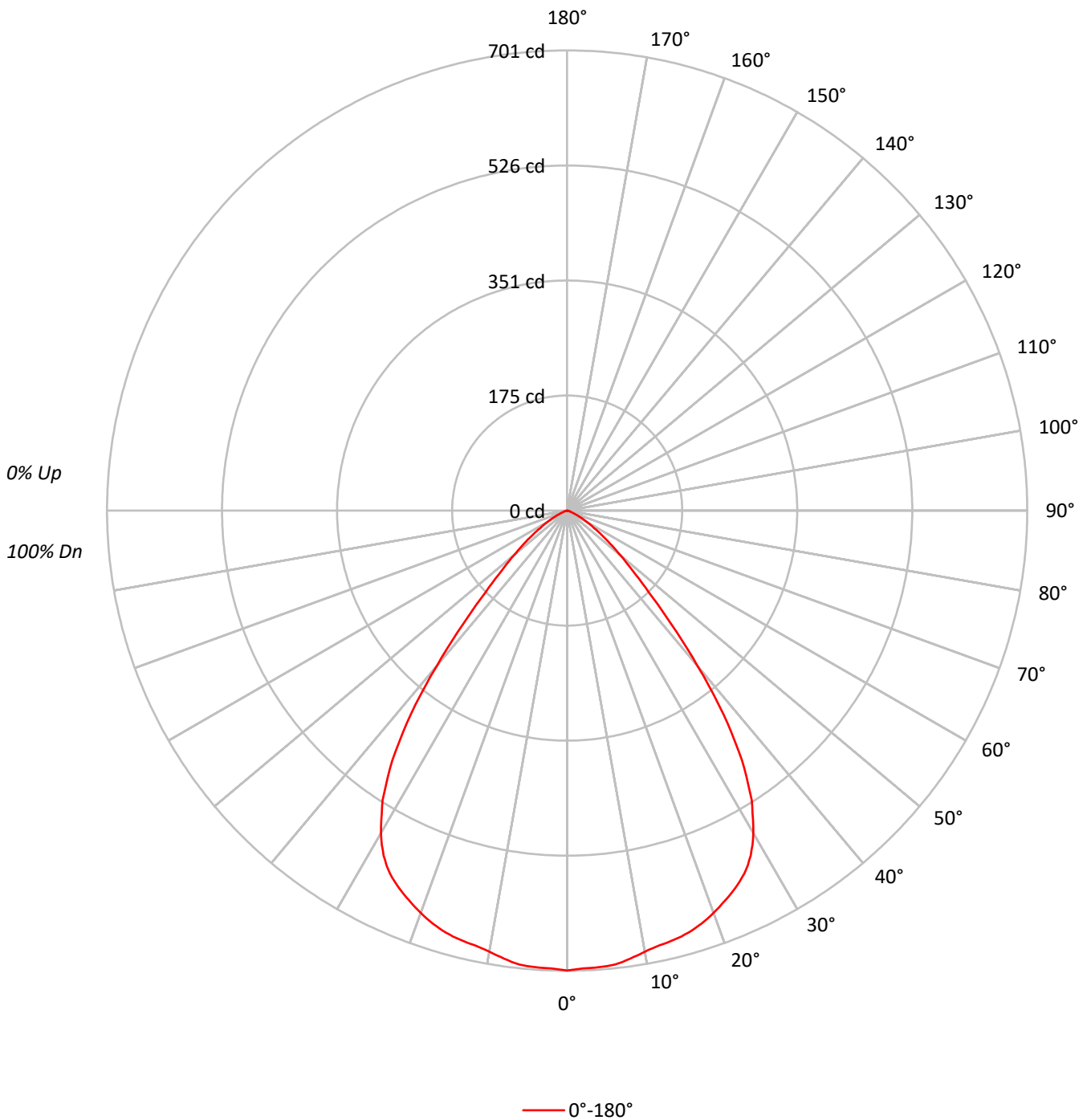
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21607
5°	21560
10°	21364
15°	21443
20°	21399
25°	21190
30°	20196
35°	17486
40°	12475
45°	7666
50°	5056
55°	3344
60°	2140
65°	1167
70°	568
75°	286
80°	160
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	6.3
10°-20°	189.5	18.1
20°-30°	285.1	27.3
30°-40°	282.3	27.0
40°-50°	143.4	13.7
50°-60°	57.8	5.5
60°-70°	17.5	1.7
70°-80°	3.0	0.3
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°	540.6	51.7
0°-40°	822.9	78.7
0°-60°	1024.1	98.0
0°-90°	1045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	701	
5°	696	66
15°	672	189
25°	623	285
35°	464	282
45°	176	143
55°	62	58
65°	16	18
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	700.7
1°	699.2
2°	698.0
3°	697.7
4°	697.4
5°	696.5
6°	695.3
7°	692.9
8°	689.2
9°	685.9
10°	682.3
11°	679.3
12°	677.2
13°	675.6
14°	673.8
15°	671.7
16°	669.0
17°	665.7
18°	661.8
19°	657.2
20°	652.1
21°	646.7
22°	641.2
23°	635.5
24°	629.4
25°	622.8
26°	615.5
27°	606.2
28°	595.3
29°	582.3
30°	567.2
32.5°	523.1
35°	464.5
37.5°	391.4
40°	309.9
42.5°	234.1
45°	175.8
47.5°	134.4
50°	105.4
52.5°	81.9
55°	62.2
57.5°	46.2
60°	34.7
62.5°	24.8
65°	16.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.0
70°	6.3
72.5°	3.9
75°	2.4
77.5°	1.5
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)