

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: P250883

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBSOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250883
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: LSR8B70D010 EC8B70950 8LBS0LI
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7826.0 lumens
Efficiency: N/A
Efficacy: 103.1 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

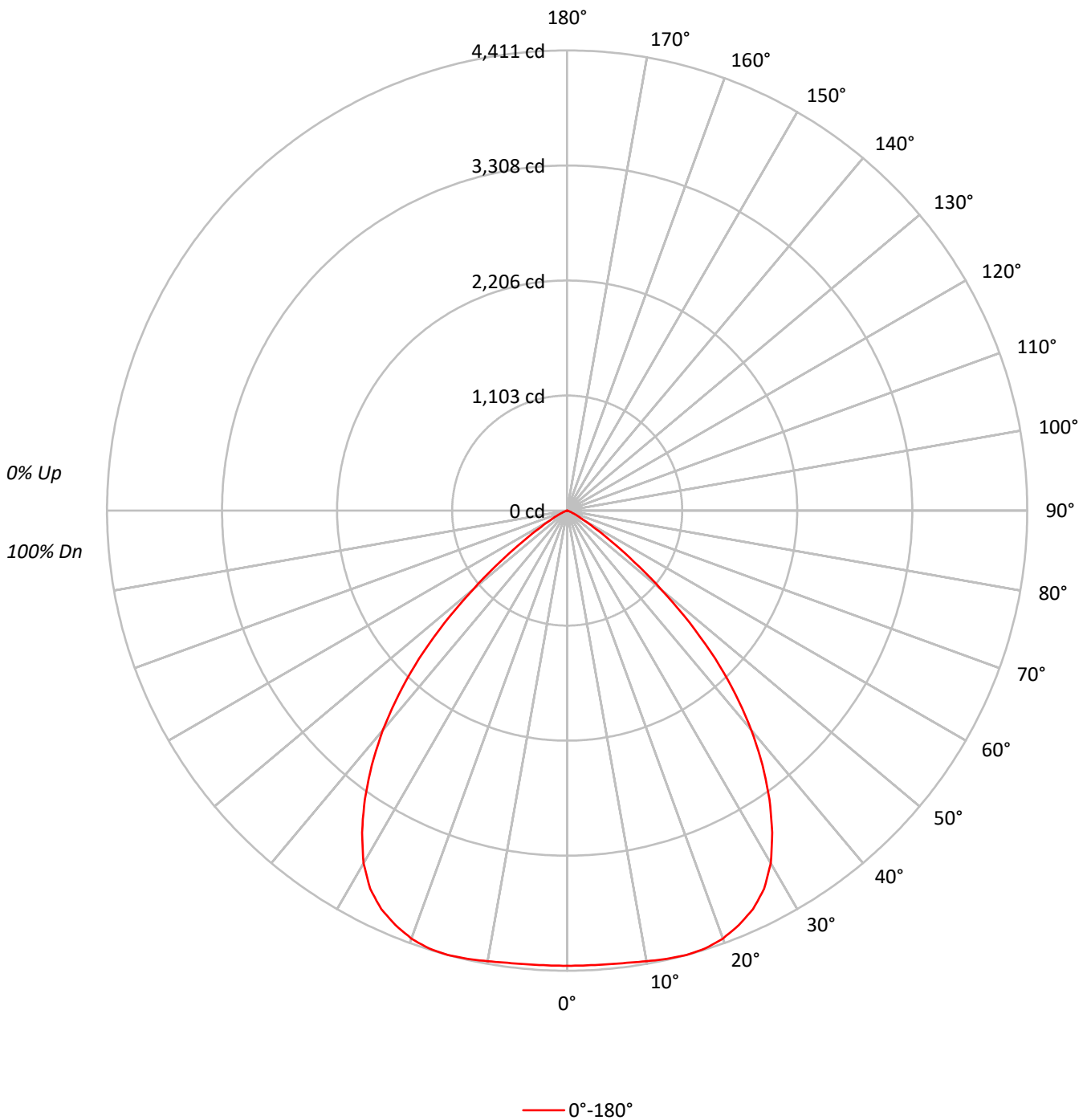
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	134551
5°	135136
10°	137331
15°	140804
20°	143262
25°	143422
30°	138984
35°	127249
40°	110590
45°	87506
50°	56747
55°	28359
60°	11903
65°	5239
70°	1623
75°	798
80°	799
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.4	5.3
10°-20°	1246.3	15.9
20°-30°	1930.8	24.7
30°-40°	2096.8	26.8
40°-50°	1523.7	19.5
50°-60°	517.9	6.6
60°-70°	82.5	1.1
70°-80°	8.8	0.1
80°-90°	1.8	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°	3594.5	45.9
0°-40°	5691.3	72.7
0°-60°	7732.8	98.8
0°-90°	7826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4363	
5°	4366	417
15°	4411	1246
25°	4215	1931
35°	3380	2097
45°	2007	1524
55°	528	518
65°	72	82
75°	7	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4363.4
2.5°	4363.4
5°	4365.7
7.5°	4372.4
10°	4385.9
12.5°	4401.6
15°	4410.6
17.5°	4401.6
20°	4365.7
22.5°	4300.6
25°	4215.3
27.5°	4087.3
30°	3903.3
32.5°	3658.6
35°	3380.3
37.5°	3077.3
40°	2747.3
42.5°	2390.5
45°	2006.6
47.5°	1593.6
50°	1182.9
52.5°	810.3
55°	527.5
57.5°	321.0
60°	193.0
62.5°	119.0
65°	71.8
67.5°	40.4
70°	18.0
72.5°	11.2
75°	6.7
77.5°	4.5
80°	4.5
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)