

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: P251485

Luminaire Tested: **LSR8B70D010 EC8B70830 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70830 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8044.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

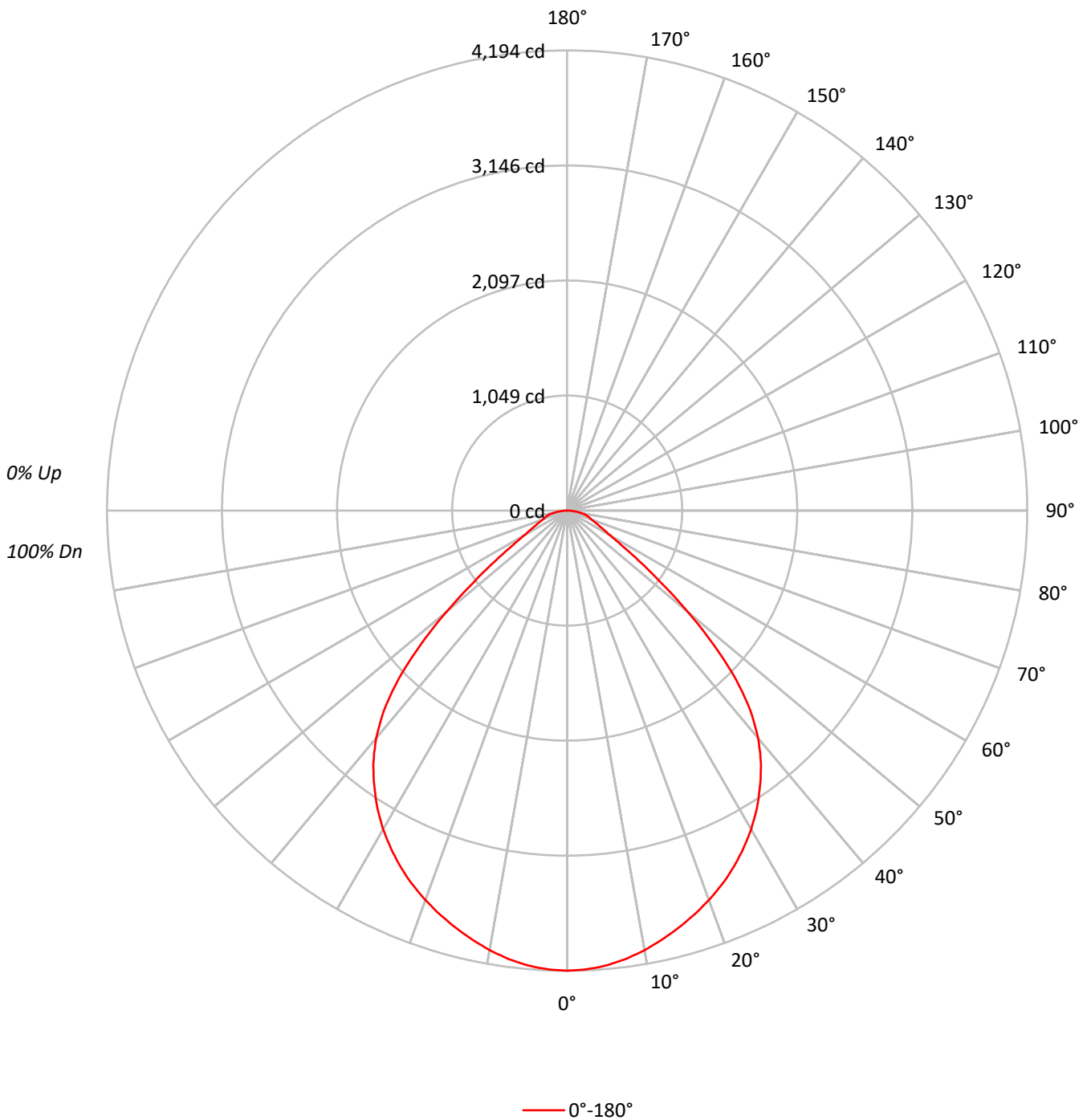
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83		88	85	82		85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73		80	76	72		78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129318
5°	128797
10°	127355
15°	125586
20°	123947
25°	122065
30°	119407
35°	115406
40°	109088
45°	95011
50°	68707
55°	42778
60°	27858
65°	22882
70°	21097
75°	22863
80°	23281
85°	20698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.2	4.9
10°-20°	1109.8	13.8
20°-30°	1650.9	20.5
30°-40°	1910.9	23.8
40°-50°	1639.7	20.4
50°-60°	754.0	9.4
60°-70°	320.1	4.0
70°-80°	198.3	2.5
80°-90°	66.2	0.8
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°	3154.8	39.2
0°-40°	5065.7	63.0
0°-60°	7459.4	92.7
0°-90°	8044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8044.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4194	
5°	4161	394
15°	3934	1110
25°	3588	1651
35°	3066	1911
45°	2179	1640
55°	796	754
65°	314	320
75°	192	198
85°	58	66
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4193.7
2.5°	4184.3
5°	4160.9
7.5°	4121.1
10°	4067.3
12.5°	4004.1
15°	3933.9
17.5°	3859.0
20°	3777.1
22.5°	3688.2
25°	3587.6
27.5°	3475.2
30°	3353.5
32.5°	3217.8
35°	3065.7
37.5°	2901.9
40°	2710.0
42.5°	2473.6
45°	2178.7
47.5°	1816.0
50°	1432.2
52.5°	1076.5
55°	795.7
57.5°	585.1
60°	451.7
62.5°	369.8
65°	313.6
67.5°	269.1
70°	234.0
72.5°	213.0
75°	191.9
77.5°	163.8
80°	131.1
82.5°	93.6
85°	58.5
87.5°	25.7
90°	0.0

(END OF REPORT)