

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: P251435

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70950 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7076.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

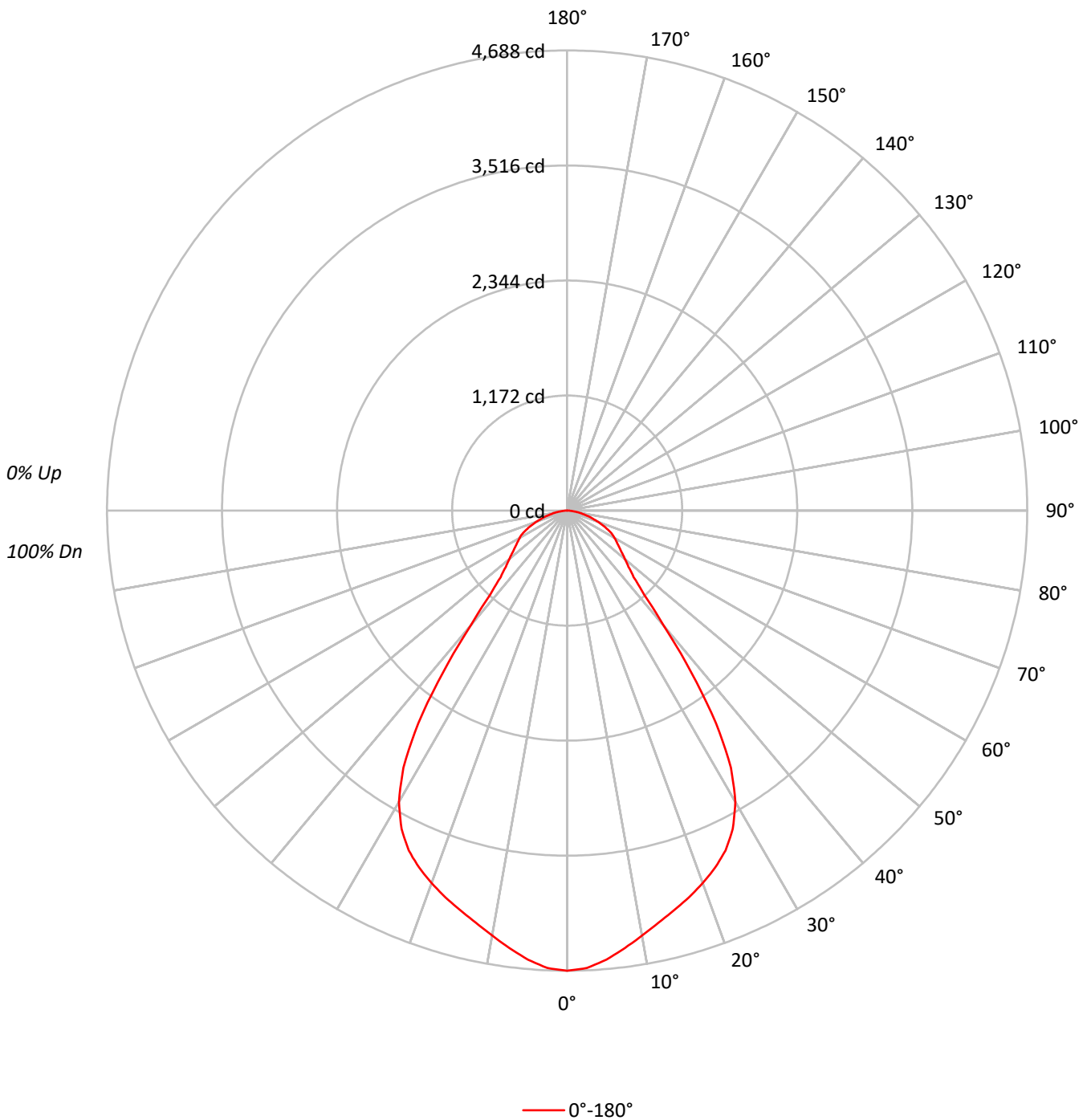
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144570
5°	142135
10°	137666
15°	134483
20°	132564
25°	129965
30°	122024
35°	99607
40°	61705
45°	41791
50°	36824
55°	34751
60°	34463
65°	33403
70°	29951
75°	25937
80°	21913
85°	17478



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.9	6.1
10°-20°	1189.8	16.8
20°-30°	1744.8	24.7
30°-40°	1594.9	22.5
40°-50°	789.6	11.2
50°-60°	583.9	8.3
60°-70°	448.8	6.3
70°-80°	233.9	3.3
80°-90°	58.3	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°	3366.5	47.6
0°-40°	4961.5	70.1
0°-60°	6335.0	89.5
0°-90°	7076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7076.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4688	
5°	4592	432
15°	4213	1190
25°	3820	1745
35°	2646	1595
45°	958	790
55°	646	584
65°	458	449
75°	218	234
85°	49	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4688.3
2.5°	4663.7
5°	4591.8
7.5°	4495.3
10°	4396.6
12.5°	4300.1
15°	4212.6
17.5°	4129.5
20°	4039.7
22.5°	3938.8
25°	3819.8
27.5°	3656.0
30°	3427.0
32.5°	3106.1
35°	2646.0
37.5°	2076.0
40°	1532.9
42.5°	1160.3
45°	958.3
47.5°	848.3
50°	767.6
52.5°	702.5
55°	646.4
57.5°	599.2
60°	558.8
62.5°	516.2
65°	457.8
67.5°	395.0
70°	332.2
72.5°	273.8
75°	217.7
77.5°	168.3
80°	123.4
82.5°	85.3
85°	49.4
87.5°	18.0
90°	0.0

(END OF REPORT)