

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: P251437

Luminaire Tested: **LSR8B70D010 EC8B709727 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251437
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 EC8B709727 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5343.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

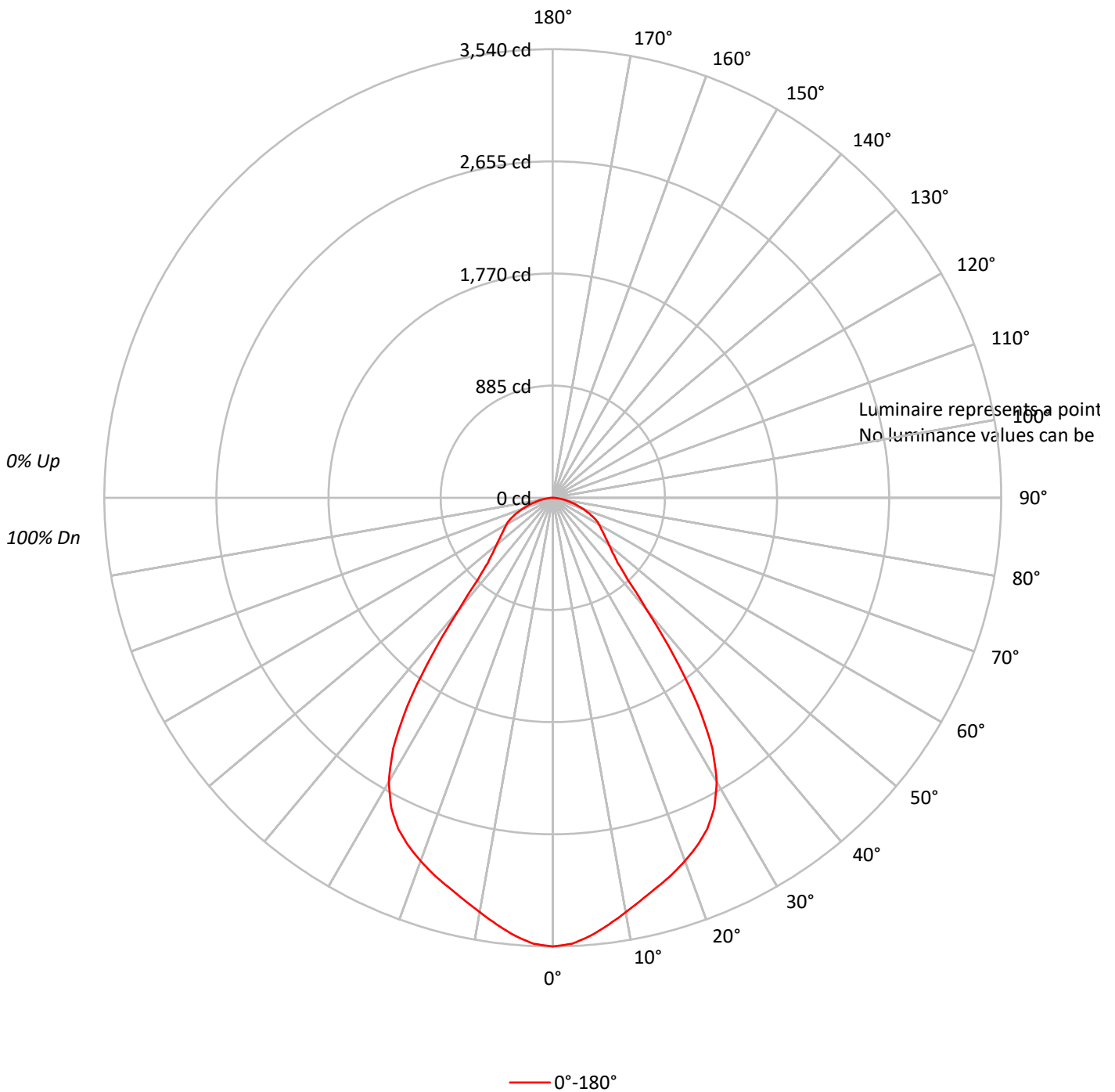
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.2	6.1
10°-20°	898.4	16.8
20°-30°	1317.5	24.7
30°-40°	1204.3	22.5
40°-50°	596.2	11.2
50°-60°	440.9	8.3
60°-70°	338.9	6.3
70°-80°	176.6	3.3
80°-90°	44.0	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°	2542.0	47.6
0°-40°	3746.3	70.1
0°-60°	4783.4	89.5
0°-90°	5343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5343.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3540	
5°	3467	326
15°	3181	898
25°	2884	1318
35°	1998	1204
45°	724	596
55°	488	441
65°	346	339
75°	164	177
85°	37	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3540.1
2.5°	3521.5
5°	3467.2
7.5°	3394.4
10°	3319.8
12.5°	3246.9
15°	3180.8
17.5°	3118.1
20°	3050.4
22.5°	2974.1
25°	2884.3
27.5°	2760.6
30°	2587.7
32.5°	2345.4
35°	1998.0
37.5°	1567.5
40°	1157.4
42.5°	876.1
45°	723.6
47.5°	640.6
50°	579.6
52.5°	530.4
55°	488.1
57.5°	452.5
60°	422.0
62.5°	389.8
65°	345.7
67.5°	298.3
70°	250.8
72.5°	206.7
75°	164.4
77.5°	127.1
80°	93.2
82.5°	64.4
85°	37.3
87.5°	13.6
90°	0.0

(END OF REPORT)