

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: P250857

Luminaire Tested: **LSR8B70D010 EC8B70940 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-11)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70940 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6956.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.72
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

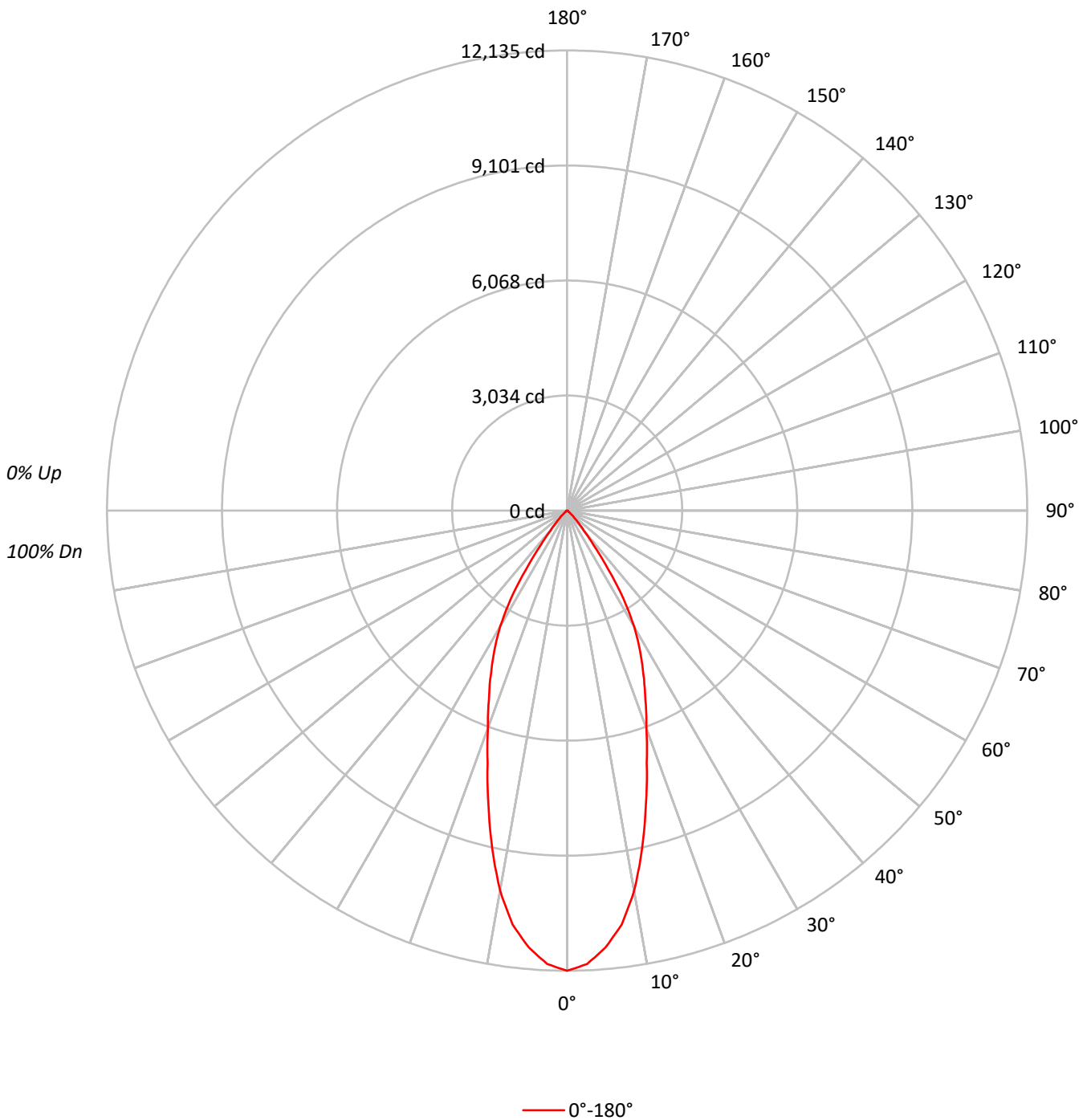
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70
7	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	374186
5°	358105
10°	318806
15°	256114
20°	200593
25°	161962
30°	125499
35°	71483
40°	26962
45°	11626
50°	4677
55°	1747
60°	937
65°	635
70°	388
75°	262
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1061.8	15.3
10°-20°	2227.8	32.0
20°-30°	2180.0	31.3
30°-40°	1206.1	17.3
40°-50°	233.4	3.4
50°-60°	35.8	0.5
60°-70°	8.8	0.1
70°-80°	2.3	0.0
80°-90°	0.0	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°	5469.6	78.6
0°-40°	6675.7	96.0
0°-60°	6944.9	99.8
0°-90°	6956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6956.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12135	
5°	11569	###
15°	8023	2228
25°	4760	2180
35°	1899	1206
45°	267	233
55°	32	36
65°	9	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12134.6
2.5°	11967.7
5°	11568.9
7.5°	11009.6
10°	10181.6
12.5°	9134.6
15°	8022.6
17.5°	6979.9
20°	6112.8
22.5°	5395.3
25°	4760.2
27.5°	4161.9
30°	3524.6
32.5°	2776.8
35°	1898.9
37.5°	1142.4
40°	669.8
42.5°	418.4
45°	266.6
47.5°	166.9
50°	97.5
52.5°	54.2
55°	32.5
57.5°	19.5
60°	15.2
62.5°	10.8
65°	8.7
67.5°	6.5
70°	4.3
72.5°	2.2
75°	2.2
77.5°	2.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)