

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: P251345

Luminaire Tested: **LSR8B70D010 EC8B70940 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70940 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4268.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

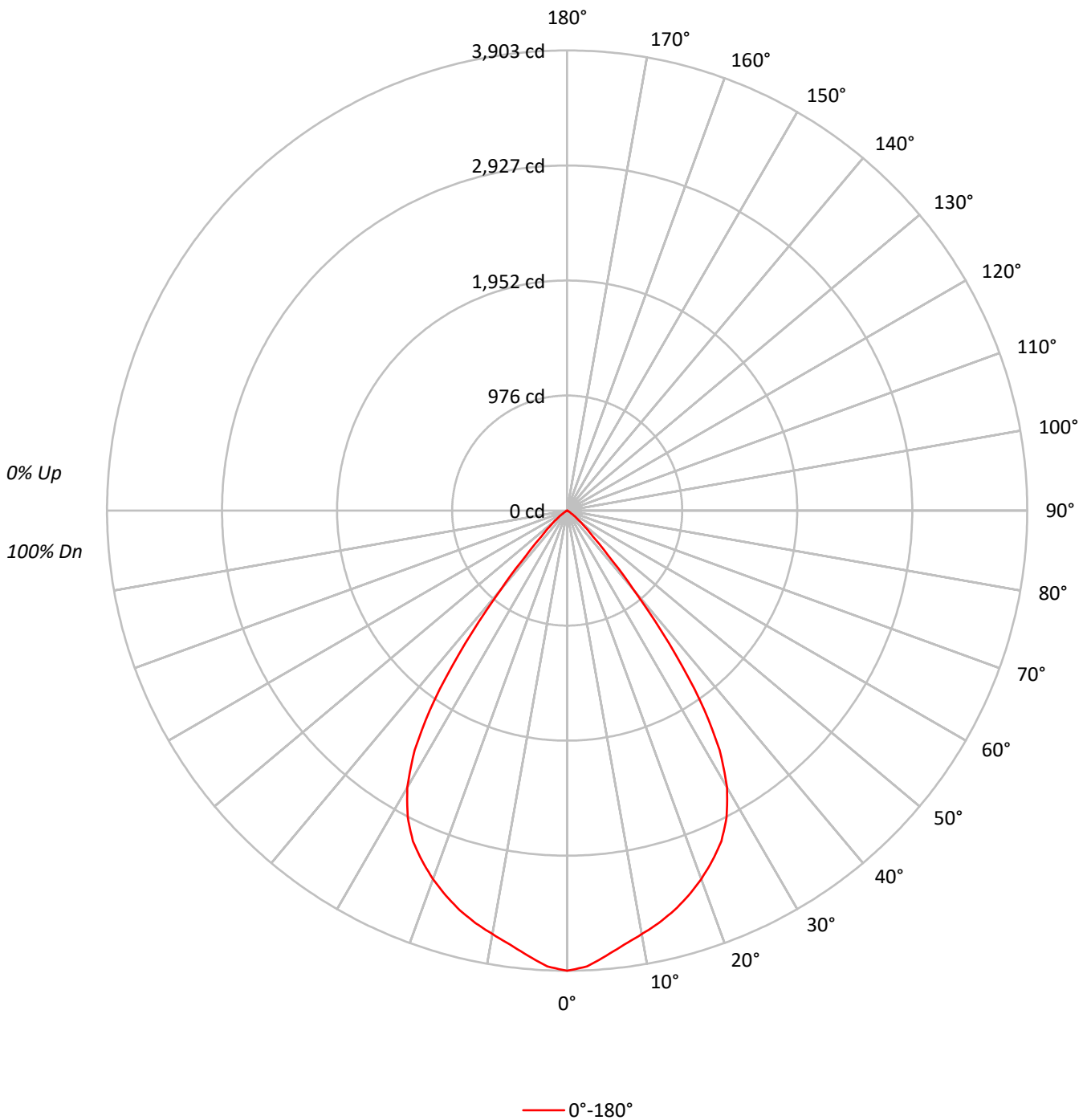
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	101	101	99	98	98	97	96	95	95	93
2	107	102	98	95	105	101	97	94	97	94	92	92	94	92	90	90	92	90	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	84	89	85	82	82	86	84	81	81	80
4	96	88	83	78	94	87	82	78	85	80	77	77	83	79	76	76	81	78	75	75	74
5	91	82	76	72	89	81	76	71	80	75	71	71	78	74	70	70	76	73	70	70	68
6	86	77	71	66	85	76	70	66	74	69	65	65	73	68	65	65	72	68	65	65	63
7	82	72	66	61	80	71	65	61	70	64	61	61	69	64	60	60	67	63	60	60	58
8	77	67	61	57	76	67	61	57	66	60	56	56	65	60	56	56	64	59	56	56	54
9	73	63	57	53	72	63	57	53	62	56	52	52	61	56	52	52	60	55	52	52	51
10	70	59	53	49	68	59	53	49	58	53	49	49	57	52	49	49	57	52	49	49	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120351
5°	117322
10°	114201
15°	112076
20°	109160
25°	105291
30°	96608
35°	74072
40°	35242
45°	13419
50°	6548
55°	2677
60°	666
65°	161
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	8.4
10°-20°	987.9	23.1
20°-30°	1410.6	33.1
30°-40°	1169.1	27.4
40°-50°	288.3	6.8
50°-60°	51.8	1.2
60°-70°	2.9	0.1
70°-80°	0.0	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°	2755.9	64.6
0°-40°	3925.0	92.0
0°-60°	4265.1	99.9
0°-90°	4268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4268.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3903	
5°	3790	357
15°	3511	988
25°	3095	1411
35°	1968	1169
45°	308	288
55°	50	52
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3902.9
2.5°	3870.4
5°	3790.2
7.5°	3712.2
10°	3647.2
12.5°	3584.3
15°	3510.7
17.5°	3424.0
20°	3326.5
22.5°	3215.9
25°	3094.6
27.5°	2929.9
30°	2713.2
32.5°	2407.6
35°	1967.7
37.5°	1421.6
40°	875.5
42.5°	509.3
45°	307.7
47.5°	203.7
50°	136.5
52.5°	88.8
55°	49.8
57.5°	23.8
60°	10.8
62.5°	4.3
65°	2.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)