

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: P251399

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBS0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-17)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70835 8LBS0B
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6861.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

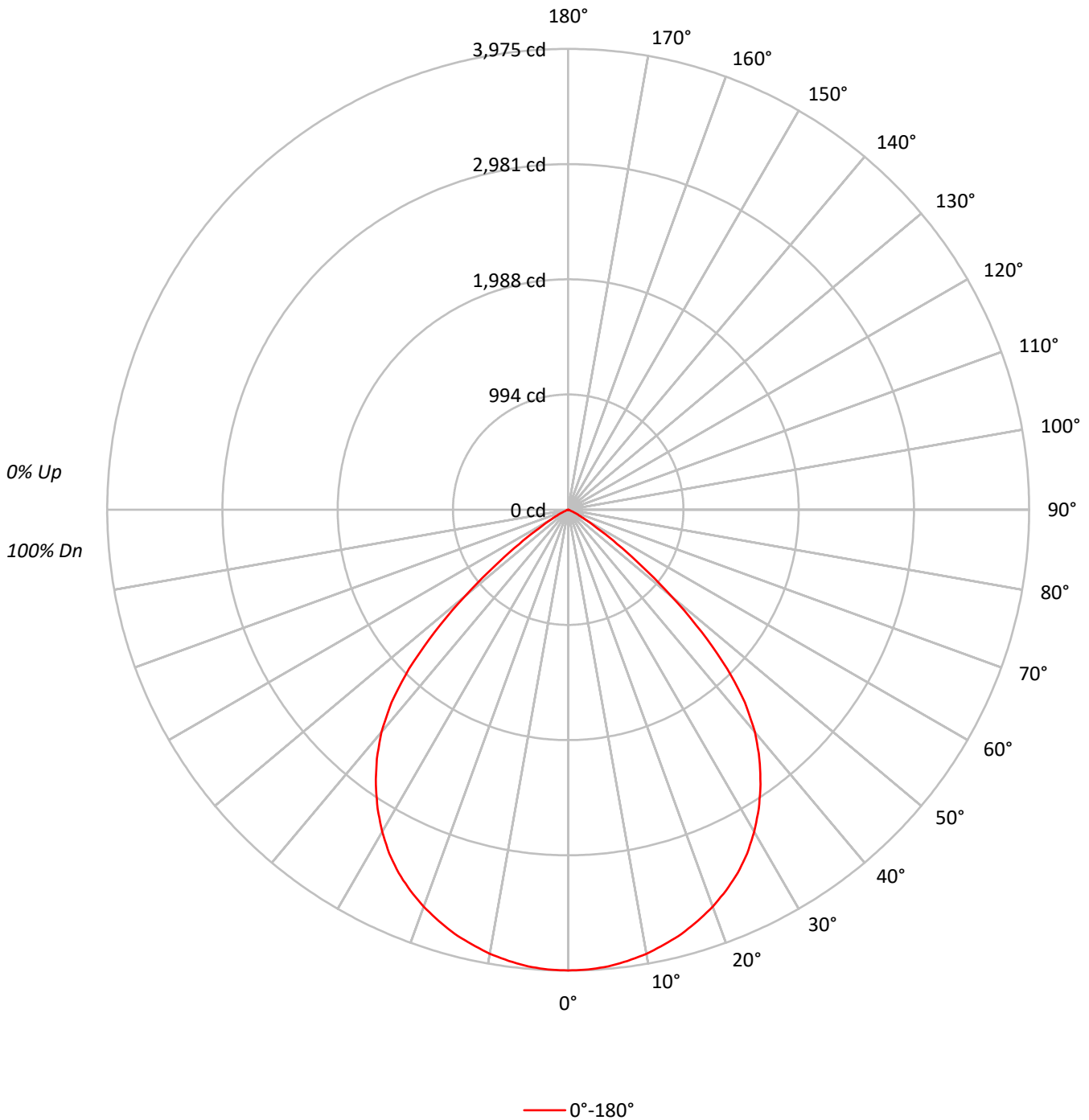
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	67	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122562
5°	122427
10°	121785
15°	120903
20°	119563
25°	117676
30°	114223
35°	108848
40°	100816
45°	84593
50°	55927
55°	27612
60°	10959
65°	4261
70°	658
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.4	5.5
10°-20°	1067.5	15.6
20°-30°	1588.9	23.2
30°-40°	1799.6	26.2
40°-50°	1455.0	21.2
50°-60°	504.6	7.4
60°-70°	69.0	1.0
70°-80°	0.9	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°	3031.8	44.2
0°-40°	4831.4	70.4
0°-60°	6791.0	99.0
0°-90°	6861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6861.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3975	
5°	3955	375
15°	3787	1067
25°	3459	1589
35°	2892	1800
45°	1940	1455
55°	514	505
65°	58	69
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3974.6
2.5°	3969.7
5°	3955.1
7.5°	3925.9
10°	3889.4
12.5°	3840.7
15°	3787.2
17.5°	3719.0
20°	3643.5
22.5°	3555.9
25°	3458.6
27.5°	3341.7
30°	3207.9
32.5°	3057.0
35°	2891.5
37.5°	2708.9
40°	2504.5
42.5°	2253.8
45°	1939.8
47.5°	1560.1
50°	1165.8
52.5°	798.3
55°	513.6
57.5°	304.2
60°	177.7
62.5°	104.7
65°	58.4
67.5°	26.8
70°	7.3
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)