

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: P250795

Luminaire Tested: **LSR8B70D010 EC8B70830 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70830 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7639.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

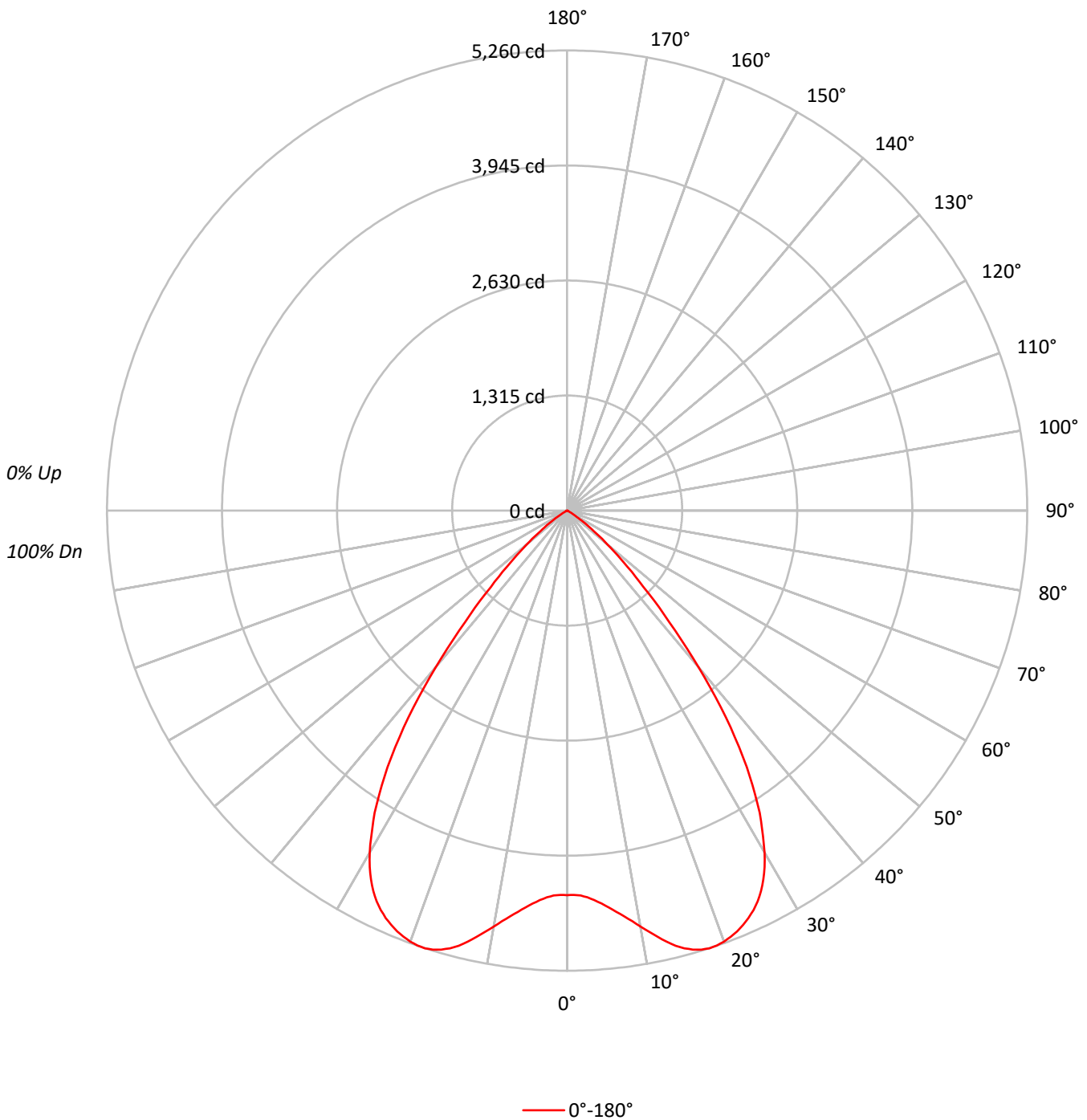
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250795

CATALOG NUMBER: LSR8B70D010 EC8B70830 8LBW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P250795

CATALOG NUMBER: LSR8B70D010 EC8B70830 8LBW0LI

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135532
5°	139544
10°	151171
15°	165402
20°	172077
25°	171447
30°	160818
35°	134849
40°	93888
45°	53774
50°	28875
55°	11908
60°	2966
65°	759
70°	379
75°	250
80°	373
85°	0



TEST NUMBER: P250795

CATALOG NUMBER: LSR8B70D010 EC8B70830 8LBW0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.7	5.8
10°-20°	1460.3	19.1
20°-30°	2297.6	30.1
30°-40°	2185.5	28.6
40°-50°	1007.6	13.2
50°-60°	228.9	3.0
60°-70°	15.1	0.2
70°-80°	3.0	0.0
80°-90°	0.3	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°	4198.6	55.0
0°-40°	6384.1	83.6
0°-60°	7620.6	99.8
0°-90°	7639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4395	
5°	4508	441
15°	5181	1460
25°	5039	2298
35°	3582	2186
45°	1233	1008
55°	222	229
65°	10	15
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P250795

CATALOG NUMBER: LSR8B70D010 EC8B70830 8LBW0LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4395.2
1°	4393.2
2°	4401.5
3°	4426.6
4°	4464.2
5°	4508.1
6°	4562.4
7°	4621.0
8°	4681.6
9°	4752.6
10°	4827.9
11°	4903.1
12°	4982.5
13°	5057.8
14°	5126.7
15°	5181.1
16°	5220.8
17°	5248.0
18°	5260.5
19°	5258.4
20°	5243.8
21°	5218.7
22°	5187.3
23°	5145.5
24°	5097.5
25°	5039.0
26°	4970.0
27°	4882.2
28°	4777.7
29°	4656.5
30°	4516.5
32.5°	4096.4
35°	3582.2
37.5°	2984.5
40°	2332.4
42.5°	1724.2
45°	1233.1
47.5°	873.6
50°	601.9
52.5°	384.6
55°	221.5
57.5°	110.8
60°	48.1
62.5°	18.8
65°	10.4



TEST NUMBER: P250795

CATALOG NUMBER: LSR8B70D010 EC8B70830 8LBW0LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.3
70°	4.2
72.5°	4.2
75°	2.1
77.5°	2.1
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)