

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: P244894

Luminaire Tested: **LSR8B40D010 EC8B40835 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B40D010 EC8B40835 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4730.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

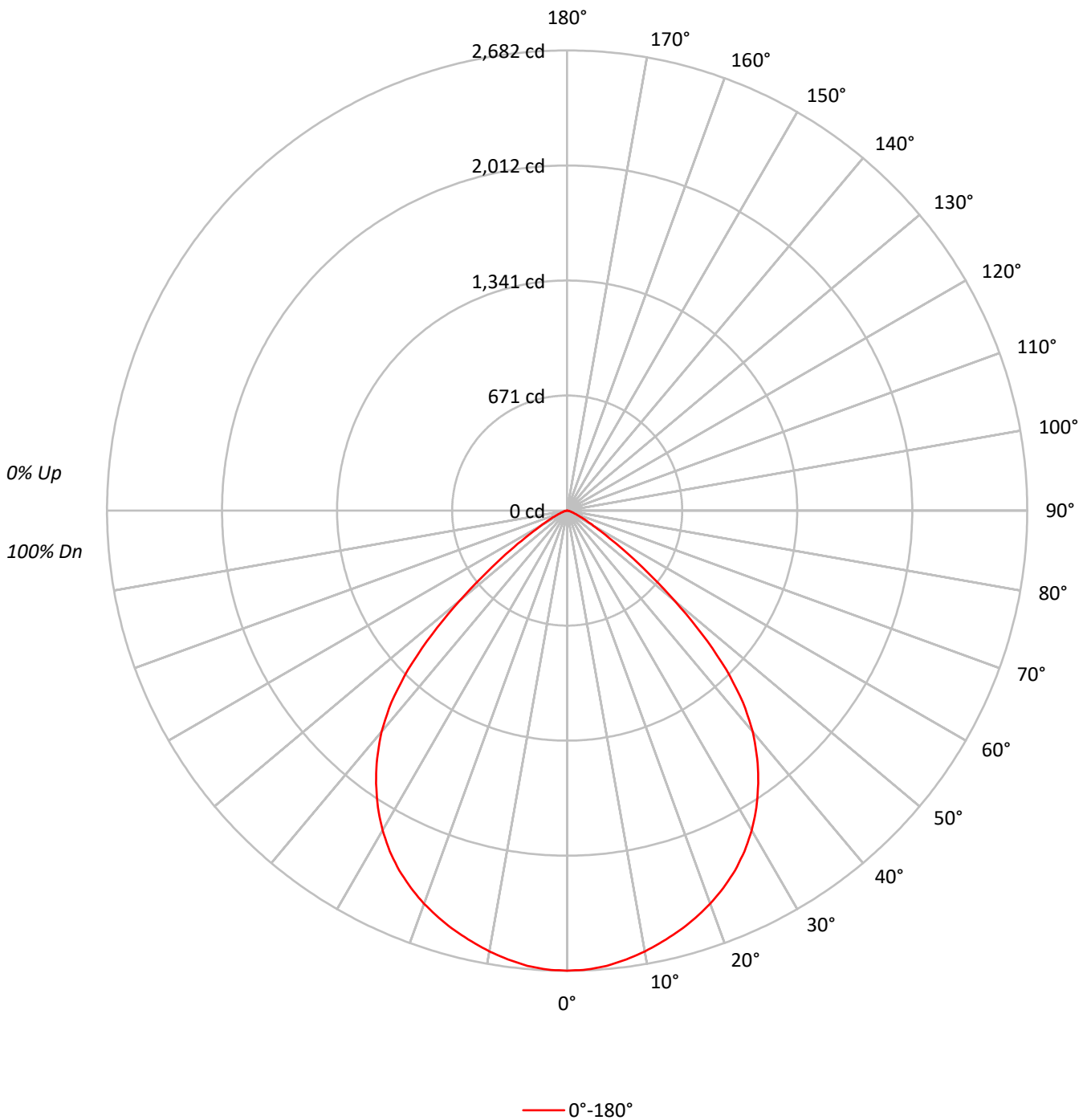
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244894

CATALOG NUMBER: LSR8B40D010 EC8B40835 8LBS0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P244894

CATALOG NUMBER: LSR8B40D010 EC8B40835 8LBS0W/MH

**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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	82697
5°	82440
10°	81702
15°	80892
20°	80023
25°	78759
30°	76597
35°	73105
40°	67751
45°	57206
50°	39247
55°	21644
60°	10879
65°	6122
70°	3336
75°	2371
80°	1509
85°	991



TEST NUMBER: P244894

CATALOG NUMBER: LSR8B40D010 EC8B40835 8LBS0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.5	5.3
10°-20°	714.6	15.1
20°-30°	1063.9	22.5
30°-40°	1208.6	25.6
40°-50°	987.9	20.9
50°-60°	387.1	8.2
60°-70°	90.2	1.9
70°-80°	21.7	0.5
80°-90°	3.5	0.1
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°	2031.0	42.9
0°-40°	3239.6	68.5
0°-60°	4614.6	97.6
0°-90°	4730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4730.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2682	
5°	2663	252
15°	2534	715
25°	2315	1064
35°	1942	1209
45°	1312	988
55°	403	387
65°	84	90
75°	20	22
85°	3	3
90°	0	



TEST NUMBER: P244894

CATALOG NUMBER: LSR8B40D010 EC8B40835 8LBS0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2681.8
2.5°	2677.6
5°	2663.3
7.5°	2639.2
10°	2609.3
12.5°	2572.3
15°	2533.9
17.5°	2488.3
20°	2438.6
22.5°	2380.2
25°	2314.8
27.5°	2237.9
30°	2151.2
32.5°	2053.0
35°	1942.0
37.5°	1819.7
40°	1683.1
42.5°	1518.0
45°	1311.8
47.5°	1069.9
50°	818.1
52.5°	587.6
55°	402.6
57.5°	263.2
60°	176.4
62.5°	120.9
65°	83.9
67.5°	55.5
70°	37.0
72.5°	25.6
75°	19.9
77.5°	14.2
80°	8.5
82.5°	4.3
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)