

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: P244006

Luminaire Tested: **LSR8B40D010 EC8B40927 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244006
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: LSR8B40D010 EC8B40927 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3575.3 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.72
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

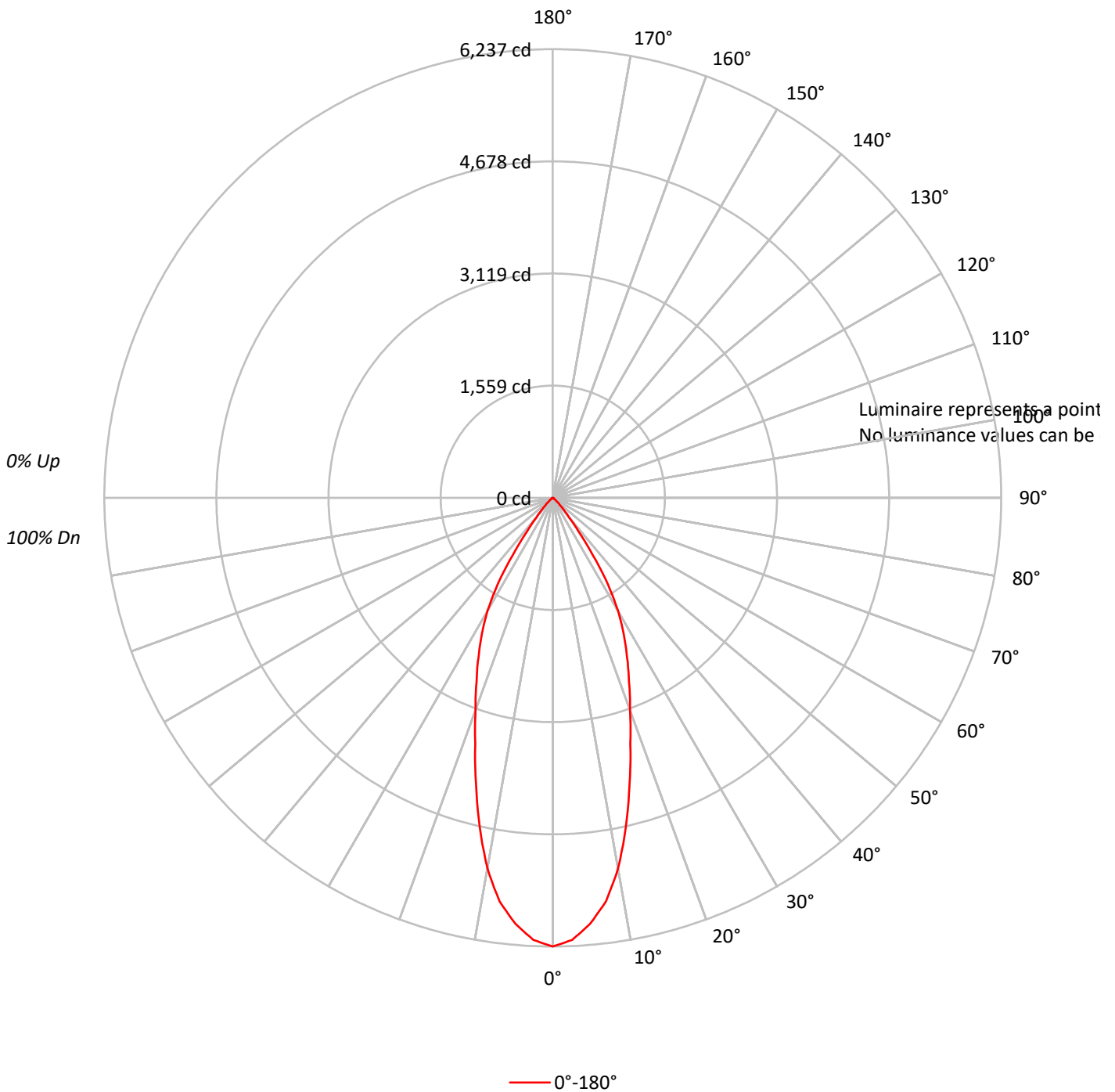
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244006

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBM0LI

Luminous Intensity Polar Plot





TEST NUMBER: P244006

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBM0LI

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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94	94	94		
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89	89	89		
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83	83	83	83	83		
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78	78	78	78	78		
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	74	74	74	74		
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70	70	70	70	70		
7	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66	66	66		
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62	62	62	62	62		
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59	59	59	59	59		
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56	56	56	56	56		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P244006

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBM0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.8	15.3
10°-20°	1145.0	32.0
20°-30°	1120.5	31.3
30°-40°	619.9	17.3
40°-50°	120.0	3.4
50°-60°	18.4	0.5
60°-70°	4.6	0.1
70°-80°	1.2	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°	2811.3	78.6
0°-40°	3431.1	96.0
0°-60°	3569.5	99.8
0°-90°	3575.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3575.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6237	
5°	5946	546
15°	4124	1145
25°	2447	1120
35°	976	620
45°	137	120
55°	17	18
65°	4	5
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P244006

CATALOG NUMBER: LSR8B40D010 EC8B40927 8LBM0LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6237.0
2.5°	6151.2
5°	5946.2
7.5°	5658.8
10°	5233.2
12.5°	4695.0
15°	4123.5
17.5°	3587.5
20°	3141.9
22.5°	2773.1
25°	2446.6
27.5°	2139.2
30°	1811.6
32.5°	1427.2
35°	975.9
37.5°	587.1
40°	344.2
42.5°	215.0
45°	137.0
47.5°	85.8
50°	50.2
52.5°	27.9
55°	16.8
57.5°	10.0
60°	7.8
62.5°	5.6
65°	4.5
67.5°	3.4
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)