

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: P244442

Luminaire Tested: **LSR8B20D010 EC8B209730 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B209730 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1571.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

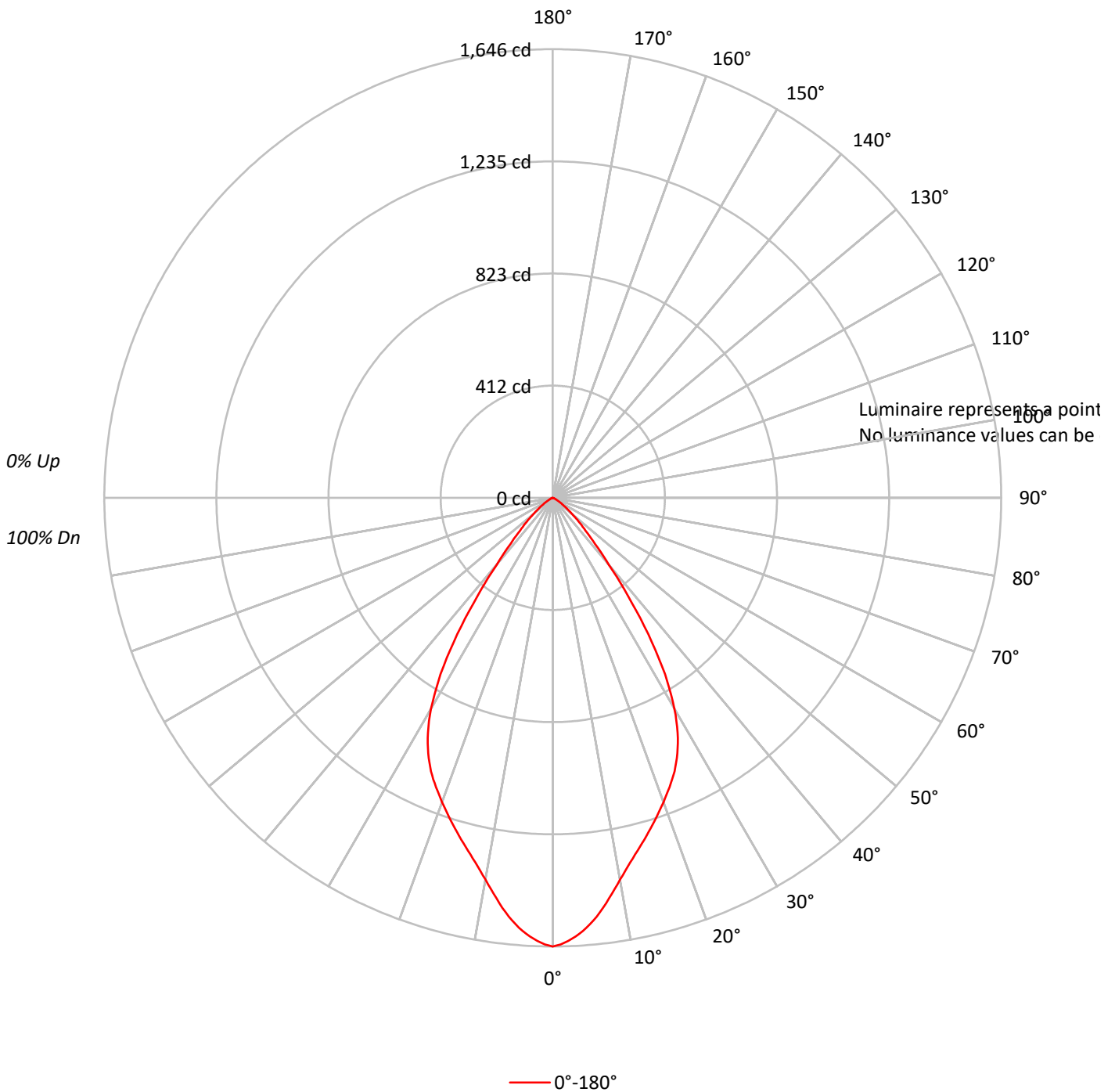
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244442

CATALOG NUMBER: LSR8B20D010 EC8B209730 8LBM0H

Luminous Intensity Polar Plot





TEST NUMBER: P244442

CATALOG NUMBER: LSR8B20D010 EC8B209730 8LBM0H

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P244442

CATALOG NUMBER: LSR8B20D010 EC8B209730 8LBM0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	9.2
10°-20°	365.0	23.2
20°-30°	487.0	31.0
30°-40°	375.4	23.9
40°-50°	140.0	8.9
50°-60°	45.8	2.9
60°-70°	10.6	0.7
70°-80°	2.1	0.1
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°	996.9	63.5
0°-40°	1372.3	87.3
0°-60°	1558.0	99.2
0°-90°	1571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1646	
5°	1570	145
15°	1298	365
25°	1072	487
35°	611	375
45°	170	140
55°	48	46
65°	9	11
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P244442

CATALOG NUMBER: LSR8B20D010 EC8B209730 8LBM0H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1646.2
1°	1639.1
2°	1627.1
3°	1611.7
4°	1592.9
5°	1570.4
6°	1544.9
7°	1515.6
8°	1484.4
9°	1452.2
10°	1422.5
11°	1394.0
12°	1367.3
13°	1342.9
14°	1320.4
15°	1298.3
16°	1275.7
17°	1254.0
18°	1231.5
19°	1209.3
20°	1187.9
21°	1165.8
22°	1144.4
23°	1121.9
24°	1098.2
25°	1071.9
26°	1043.0
27°	1011.1
28°	975.9
29°	936.4
30°	893.3
32.5°	766.8
35°	610.7
37.5°	452.3
40°	320.2
42.5°	229.3
45°	170.0
47.5°	128.0
50°	94.6
52.5°	67.6
55°	48.0
57.5°	33.0
60°	21.8
62.5°	14.3
65°	9.4



TEST NUMBER: P244442

CATALOG NUMBER: LSR8B20D010 EC8B209730 8LBM0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.4
70°	4.1
72.5°	2.6
75°	1.9
77.5°	1.1
80°	0.8
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)