

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: P244292

Luminaire Tested: **LSR8B20D010 EC8B209727 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B209727 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1518.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

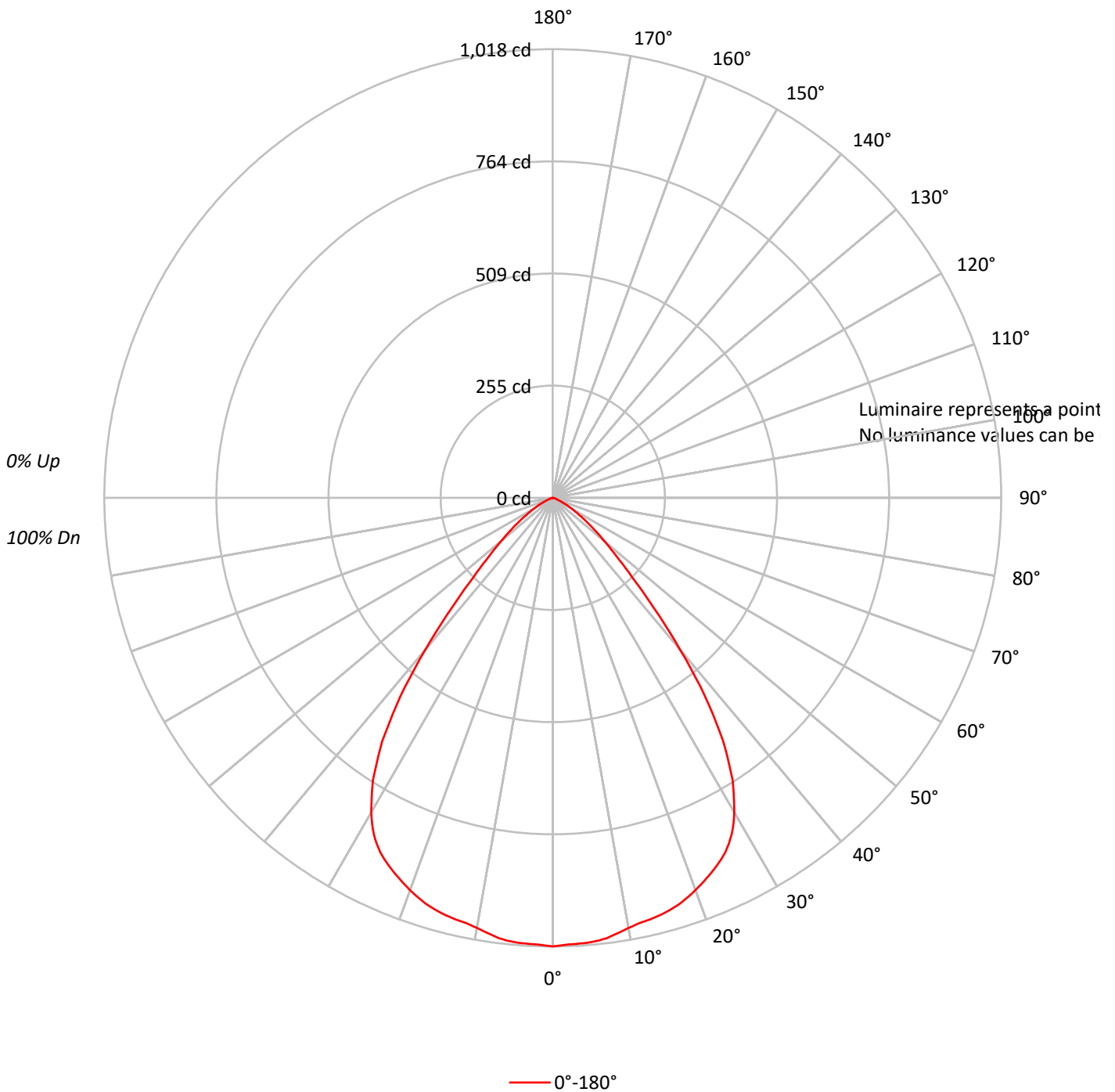
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244292

CATALOG NUMBER: LSR8B20D010 EC8B209727 8LBW0H

Luminous Intensity Polar Plot





TEST NUMBER: P244292

CATALOG NUMBER: LSR8B20D010 EC8B209727 8LBW0H

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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P244292

CATALOG NUMBER: LSR8B20D010 EC8B209727 8LBW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	6.3
10°-20°	275.2	18.1
20°-30°	414.2	27.3
30°-40°	410.1	27.0
40°-50°	208.3	13.7
50°-60°	83.9	5.5
60°-70°	25.5	1.7
70°-80°	4.4	0.3
80°-90°	0.5	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°	785.3	51.7
0°-40°	1195.4	78.7
0°-60°	1487.6	98.0
0°-90°	1518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	1012	96
15°	976	275
25°	905	414
35°	675	410
45°	255	208
55°	90	84
65°	23	25
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P244292

CATALOG NUMBER: LSR8B20D010 EC8B209727 8LBW0H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1017.9
1°	1015.7
2°	1013.9
3°	1013.5
4°	1013.1
5°	1011.7
6°	1010.0
7°	1006.5
8°	1001.2
9°	996.4
10°	991.1
11°	986.7
12°	983.7
13°	981.5
14°	978.8
15°	975.8
16°	971.8
17°	967.0
18°	961.3
19°	954.7
20°	947.2
21°	939.3
22°	931.4
23°	923.1
24°	914.3
25°	904.7
26°	894.2
27°	880.6
28°	864.8
29°	845.9
30°	824.0
32.5°	759.9
35°	674.8
37.5°	568.6
40°	450.1
42.5°	340.0
45°	255.3
47.5°	195.2
50°	153.1
52.5°	118.9
55°	90.4
57.5°	67.1
60°	50.5
62.5°	36.0
65°	23.3



TEST NUMBER: P244292

CATALOG NUMBER: LSR8B20D010 EC8B209727 8LBW0H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.5
70°	9.2
72.5°	5.7
75°	3.5
77.5°	2.2
80°	1.3
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)