

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: P245330

Luminaire Tested: **LSR8B20D010 EC8B20840 8LBS0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-15)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20840 8LBS0WH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2317.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

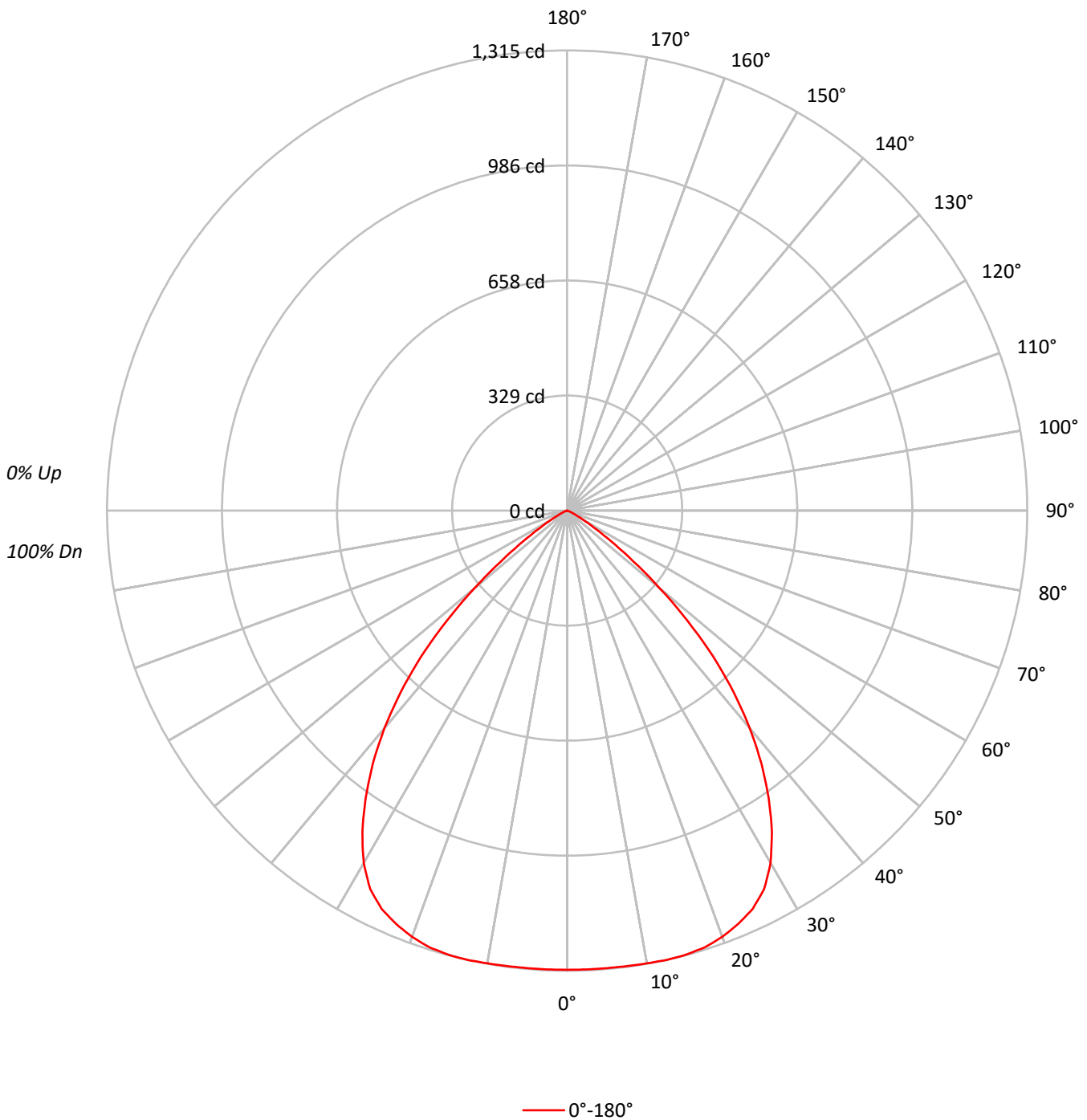
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245330

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0WH

Luminous Intensity Polar Plot





TEST NUMBER: P245330

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0WH

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40470
5°	40624
10°	41135
15°	41939
20°	42538
25°	42714
30°	41403
35°	37791
40°	32690
45°	25734
50°	16599
55°	8150
60°	3349
65°	1467
70°	424
75°	155
80°	124
85°	0



TEST NUMBER: P245330

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	5.4
10°-20°	371.3	16.0
20°-30°	574.8	24.8
30°-40°	622.7	26.9
40°-50°	448.1	19.3
50°-60°	149.9	6.5
60°-70°	22.7	1.0
70°-80°	1.9	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°	1071.4	46.2
0°-40°	1694.1	73.1
0°-60°	2292.1	98.9
0°-90°	2317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2317.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1312	
5°	1312	125
15°	1314	371
25°	1255	575
35°	1004	623
45°	590	448
55°	152	150
65°	20	23
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P245330

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1312.4
2.5°	1312.4
5°	1312.4
7.5°	1313.0
10°	1313.7
12.5°	1315.1
15°	1313.7
17.5°	1308.4
20°	1296.3
22.5°	1278.2
25°	1255.4
27.5°	1219.2
30°	1162.8
32.5°	1089.1
35°	1003.9
37.5°	912.0
40°	812.1
42.5°	704.8
45°	590.1
47.5°	466.1
50°	346.0
52.5°	237.4
55°	151.6
57.5°	90.5
60°	54.3
62.5°	32.9
65°	20.1
67.5°	10.1
70°	4.7
72.5°	2.0
75°	1.3
77.5°	1.3
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)