

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: P244466

Luminaire Tested: **LSR8B20D010 EC8B20840 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20840 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2361.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

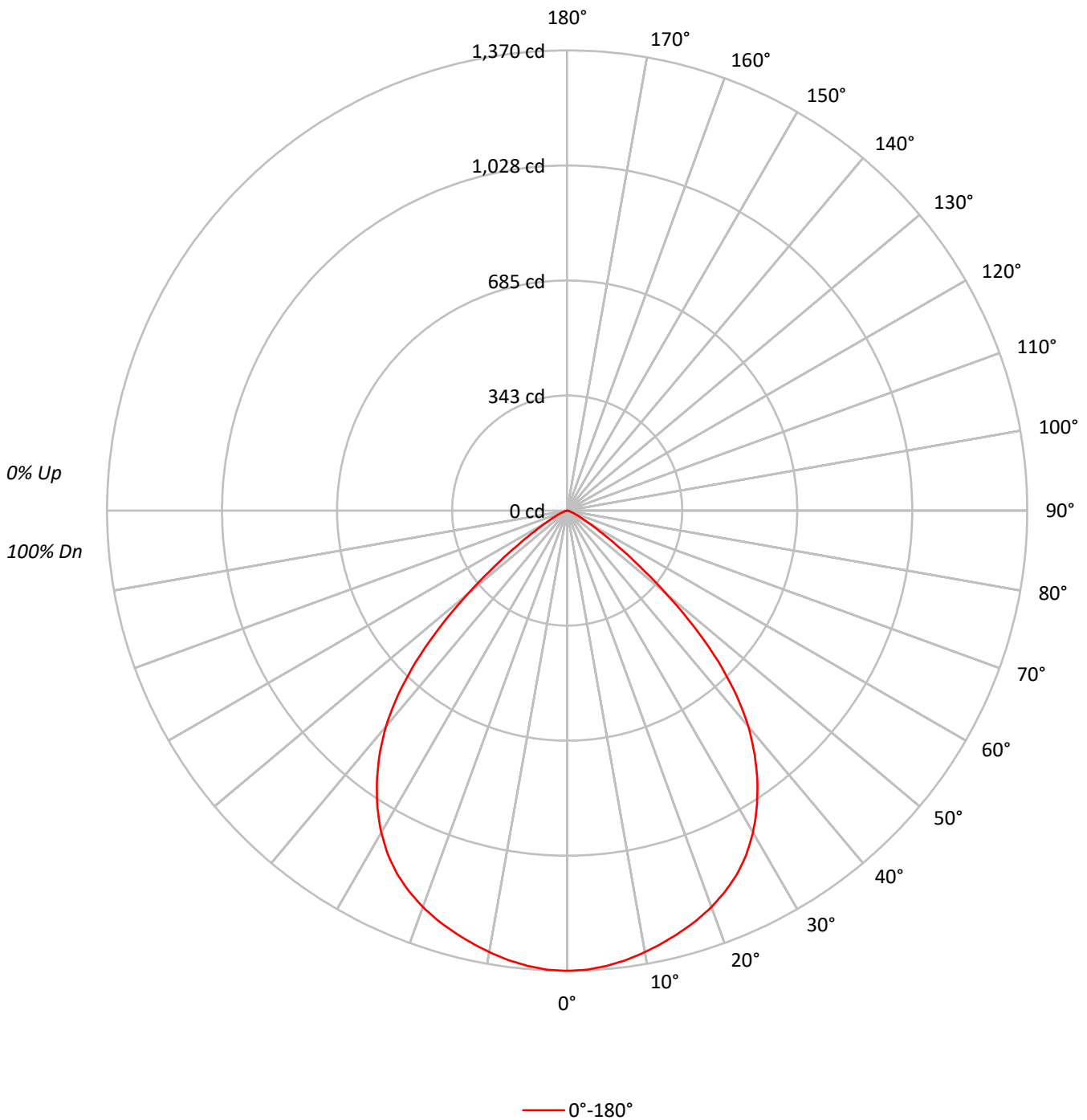
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244466

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0H

Luminous Intensity Polar Plot





TEST NUMBER: P244466

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0H

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	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42252
5°	42110
10°	41789
15°	41495
20°	41216
25°	40672
30°	39417
35°	37189
40°	33797
45°	27810
50°	18537
55°	9656
60°	4551
65°	2386
70°	1190
75°	834
80°	622
85°	495



TEST NUMBER: P244466

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	5.5
10°-20°	366.9	15.5
20°-30°	548.8	23.2
30°-40°	613.8	26.0
40°-50°	481.6	20.4
50°-60°	175.7	7.4
60°-70°	35.8	1.5
70°-80°	7.7	0.3
80°-90°	1.6	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°	1044.7	44.2
0°-40°	1658.6	70.2
0°-60°	2315.8	98.1
0°-90°	2361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1370	
5°	1360	129
15°	1300	367
25°	1195	549
35°	988	614
45°	638	482
55°	180	176
65°	33	36
75°	7	8
85°	1	2
90°	0	



TEST NUMBER: P244466

CATALOG NUMBER: LSR8B20D010 EC8B20840 8LBS0H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1370.2
2.5°	1368.1
5°	1360.4
7.5°	1349.3
10°	1334.6
12.5°	1317.9
15°	1299.8
17.5°	1279.6
20°	1256.0
22.5°	1228.1
25°	1195.4
27.5°	1155.0
30°	1107.0
32.5°	1050.6
35°	987.9
37.5°	917.6
40°	839.6
42.5°	747.0
45°	637.7
47.5°	514.5
50°	386.4
52.5°	270.8
55°	179.6
57.5°	114.9
60°	73.8
62.5°	48.7
65°	32.7
67.5°	20.9
70°	13.2
72.5°	9.1
75°	7.0
77.5°	4.9
80°	3.5
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)