

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: P246308

Luminaire Tested: **LSR8B20D010 EC8B20927 8LBW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-47)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20927 8LBW0B
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1104.8 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.02
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

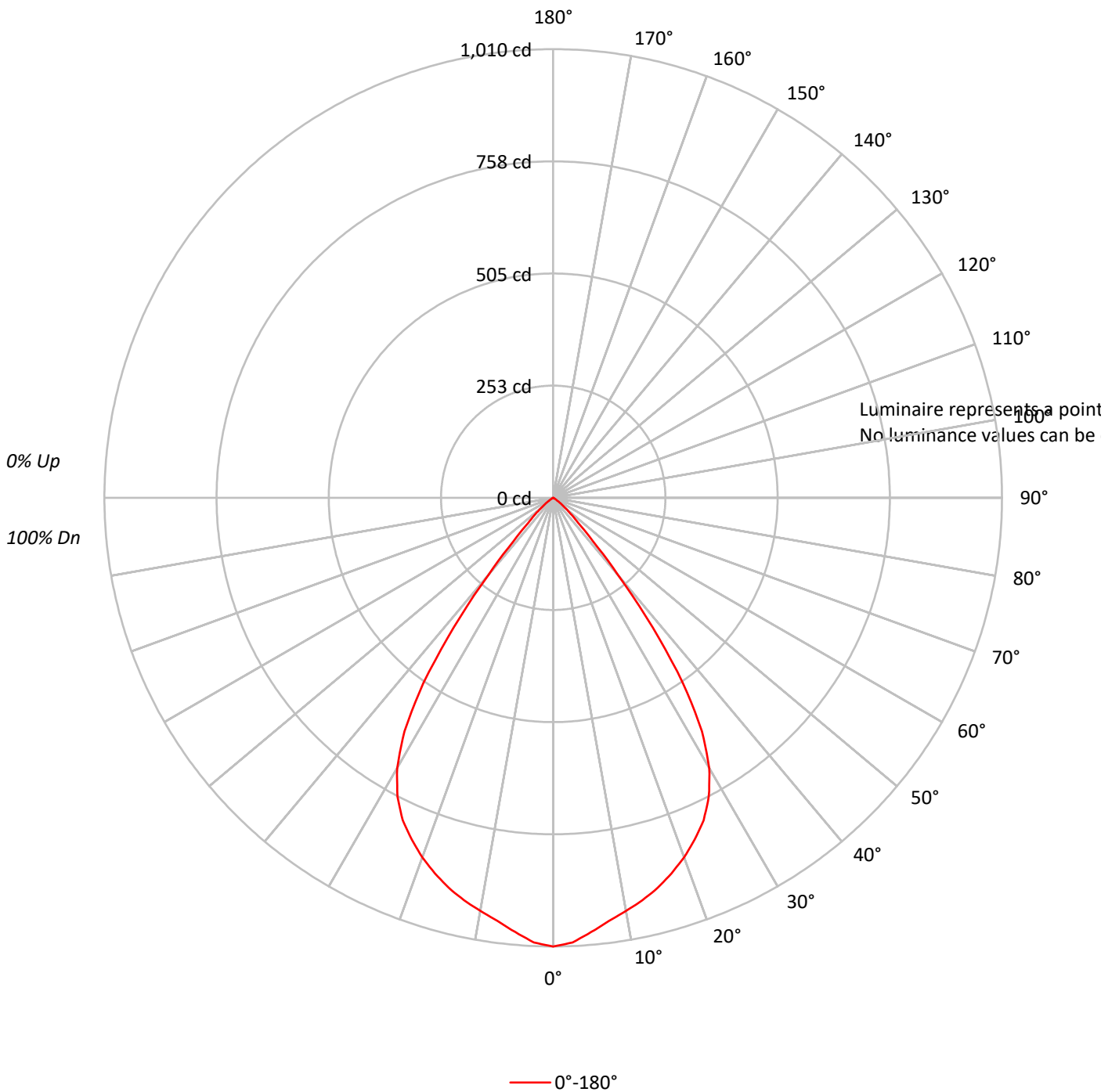
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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						
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	95	90	86	100	94	89	85	91	87	84	89	85	82	86	84	81	80						
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	74						
5	91	82	76	72	89	81	76	71	80	75	71	78	74	70	76	73	70	68						
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	65	63						
7	82	72	66	61	80	71	65	61	70	64	61	69	64	60	67	63	60	58						
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54						
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51						
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47						

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	8.4
10°-20°	255.7	23.1
20°-30°	365.1	33.1
30°-40°	302.6	27.4
40°-50°	74.6	6.8
50°-60°	13.4	1.2
60°-70°	0.8	0.1
70°-80°	0.0	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°	713.4	64.6
0°-40°	1016.0	92.0
0°-60°	1104.0	99.9
0°-90°	1104.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1104.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1010	
5°	981	92
15°	909	256
25°	801	365
35°	509	303
45°	80	75
55°	13	13
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1010.2
2.5°	1001.8
5°	981.1
7.5°	960.9
10°	944.1
12.5°	927.8
15°	908.7
17.5°	886.3
20°	861.1
22.5°	832.4
25°	801.0
27.5°	758.4
30°	702.3
32.5°	623.2
35°	509.3
37.5°	368.0
40°	226.6
42.5°	131.8
45°	79.6
47.5°	52.8
50°	35.3
52.5°	23.0
55°	12.9
57.5°	6.2
60°	2.8
62.5°	1.1
65°	0.6
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)