

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: P243866

Luminaire Tested: **LSR8B20D010 EC8B20930 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B20D010 EC8B20930 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1908.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

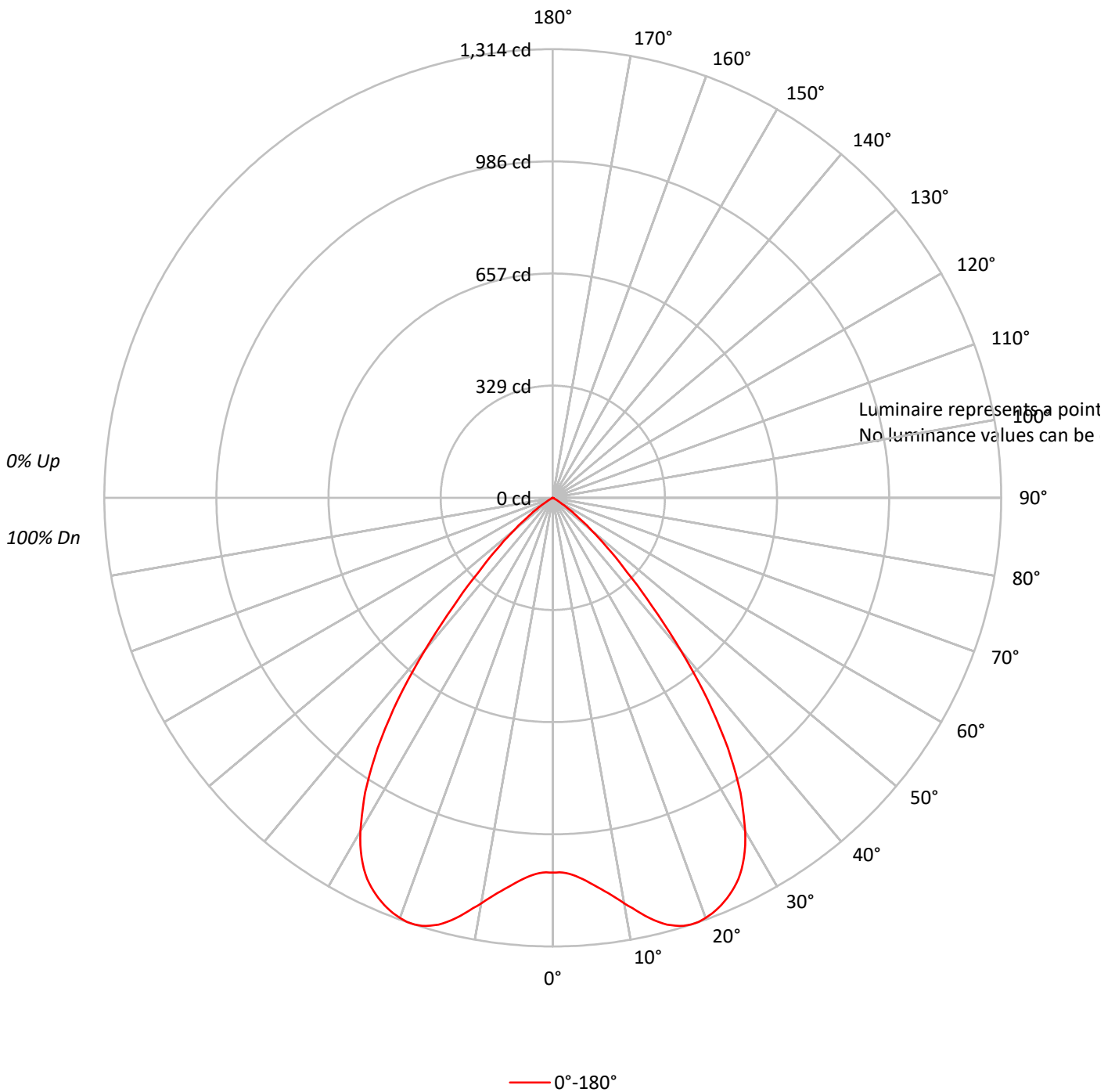
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243866

CATALOG NUMBER: LSR8B20D010 EC8B20930 8LBW0LI

Luminous Intensity Polar Plot





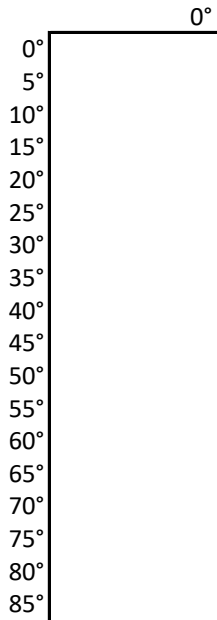
TEST NUMBER: P243866

CATALOG NUMBER: LSR8B20D010 EC8B20930 8LBW0LI

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	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P243866

CATALOG NUMBER: LSR8B20D010 EC8B20930 8LBW0LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	5.8
10°-20°	364.7	19.1
20°-30°	573.9	30.1
30°-40°	545.9	28.6
40°-50°	251.6	13.2
50°-60°	57.2	3.0
60°-70°	3.8	0.2
70°-80°	0.8	0.0
80°-90°	0.1	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°	1048.6	55.0
0°-40°	1594.5	83.6
0°-60°	1903.4	99.8
0°-90°	1908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1098	
5°	1126	110
15°	1294	365
25°	1258	574
35°	895	546
45°	308	252
55°	55	57
65°	3	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P243866

CATALOG NUMBER: LSR8B20D010 EC8B20930 8LBW0LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1097.8
1°	1097.2
2°	1099.4
3°	1105.6
4°	1114.9
5°	1125.9
6°	1139.5
7°	1154.2
8°	1169.3
9°	1187.0
10°	1205.9
11°	1224.6
12°	1244.4
13°	1263.3
14°	1280.5
15°	1294.1
16°	1303.9
17°	1310.8
18°	1313.9
19°	1313.4
20°	1309.7
21°	1303.4
22°	1295.7
23°	1285.1
24°	1273.1
25°	1258.5
26°	1241.3
27°	1219.4
28°	1193.3
29°	1163.0
30°	1128.1
32.5°	1023.1
35°	894.7
37.5°	745.5
40°	582.6
42.5°	430.7
45°	307.9
47.5°	218.1
50°	150.3
52.5°	96.1
55°	55.4
57.5°	27.7
60°	12.0
62.5°	4.7
65°	2.6



TEST NUMBER: P243866

CATALOG NUMBER: LSR8B20D010 EC8B20930 8LBW0LI

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.0
72.5°	1.0
75°	0.6
77.5°	0.6
80°	0.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)