

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: P244298

Luminaire Tested: **LSR8B20D010 EC8B209730 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244298  
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 EC8B209730 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1606.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 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

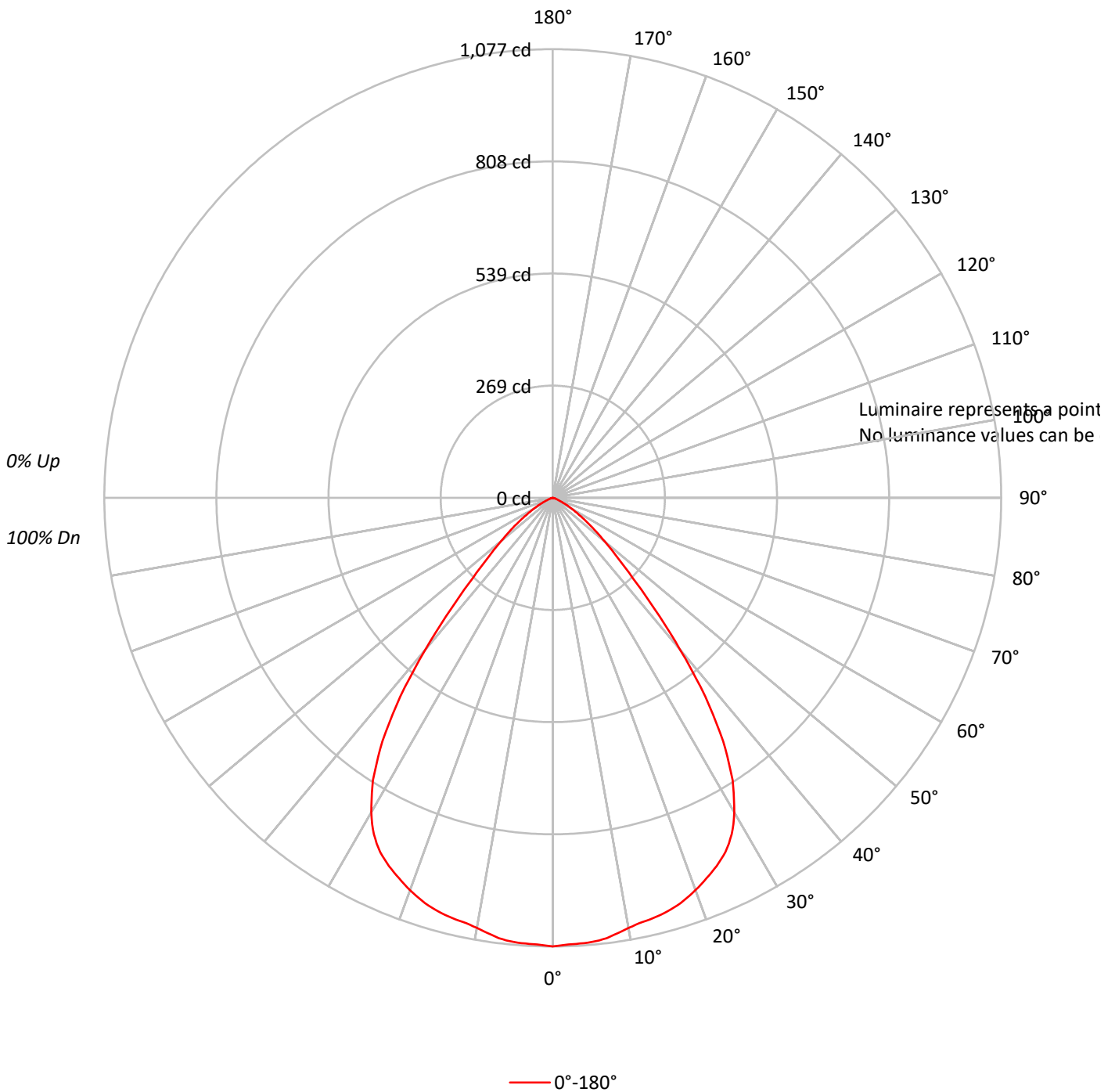
Input Watts (W): 21.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.5	6.3
10°-20°	291.2	18.1
20°-30°	438.2	27.3
30°-40°	433.8	27.0
40°-50°	220.4	13.7
50°-60°	88.8	5.5
60°-70°	26.9	1.7
70°-80°	4.6	0.3
80°-90°	0.6	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°	830.8	51.7
0°-40°	1264.7	78.7
0°-60°	1573.9	98.0
0°-90°	1606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1606.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1077	
5°	1070	101
15°	1032	291
25°	957	438
35°	714	434
45°	270	220
55°	96	89
65°	25	27
75°	4	5
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1076.9
1°	1074.6
2°	1072.7
3°	1072.2
4°	1071.8
5°	1070.4
6°	1068.5
7°	1064.8
8°	1059.2
9°	1054.1
10°	1048.6
11°	1043.9
12°	1040.7
13°	1038.4
14°	1035.6
15°	1032.3
16°	1028.1
17°	1023.0
18°	1017.0
19°	1010.0
20°	1002.2
21°	993.8
22°	985.4
23°	976.6
24°	967.3
25°	957.1
26°	946.0
27°	931.6
28°	914.9
29°	894.9
30°	871.7
32.5°	804.0
35°	713.9
37.5°	601.6
40°	476.2
42.5°	359.7
45°	270.2
47.5°	206.6
50°	162.0
52.5°	125.8
55°	95.6
57.5°	71.0
60°	53.4
62.5°	38.1
65°	24.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	15.3
70°	9.7
72.5°	6.0
75°	3.7
77.5°	2.3
80°	1.4
82.5°	0.9
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)