

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: P244293

Luminaire Tested: **LSR8B30D010 EC8B309727 8LBW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244293  
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: LSR8B30D010 EC8B309727 8LBW0H  
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2159.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 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

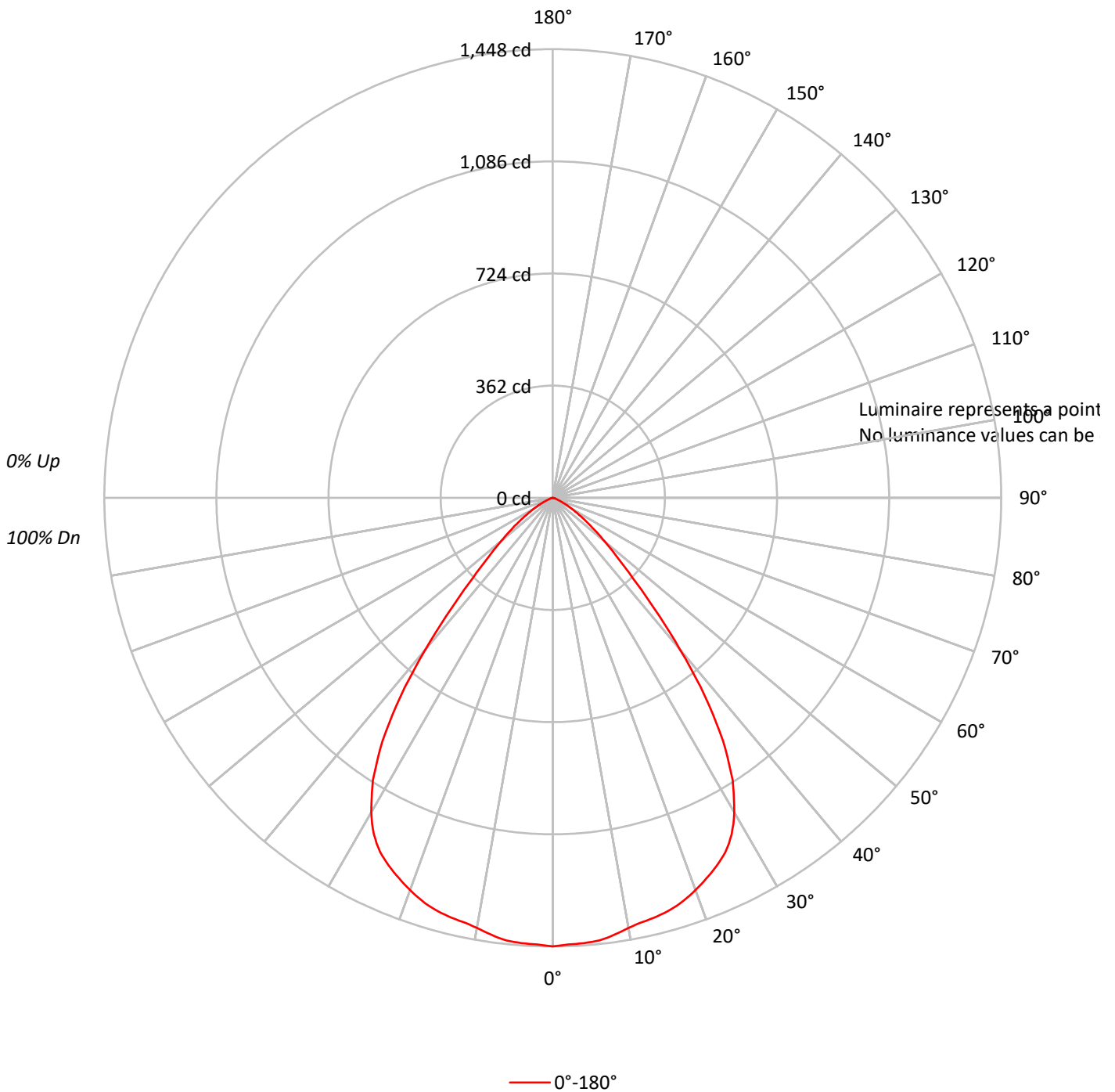
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	136.4	6.3
10°-20°	391.4	18.1
20°-30°	589.1	27.3
30°-40°	583.2	27.0
40°-50°	296.3	13.7
50°-60°	119.4	5.5
60°-70°	36.2	1.7
70°-80°	6.2	0.3
80°-90°	0.7	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°	1116.9	51.7
0°-40°	1700.1	78.7
0°-60°	2115.8	98.0
0°-90°	2159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1448	
5°	1439	136
15°	1388	391
25°	1287	589
35°	960	583
45°	363	296
55°	128	119
65°	33	36
75°	5	6
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1447.7
1°	1444.6
2°	1442.1
3°	1441.5
4°	1440.8
5°	1439.0
6°	1436.5
7°	1431.5
8°	1424.0
9°	1417.1
10°	1409.6
11°	1403.4
12°	1399.0
13°	1395.9
14°	1392.2
15°	1387.8
16°	1382.2
17°	1375.3
18°	1367.2
19°	1357.8
20°	1347.2
21°	1336.0
22°	1324.8
23°	1312.9
24°	1300.4
25°	1286.7
26°	1271.7
27°	1252.4
28°	1229.9
29°	1203.1
30°	1171.9
32.5°	1080.8
35°	959.7
37.5°	808.7
40°	640.2
42.5°	483.6
45°	363.2
47.5°	277.7
50°	217.8
52.5°	169.1
55°	128.5
57.5°	95.5
60°	71.8
62.5°	51.2
65°	33.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	20.6
70°	13.1
72.5°	8.1
75°	5.0
77.5°	3.1
80°	1.9
82.5°	1.2
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)