

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: P246741

Luminaire Tested: **LSR8B30D010 EC8B309727 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B309727 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2158.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

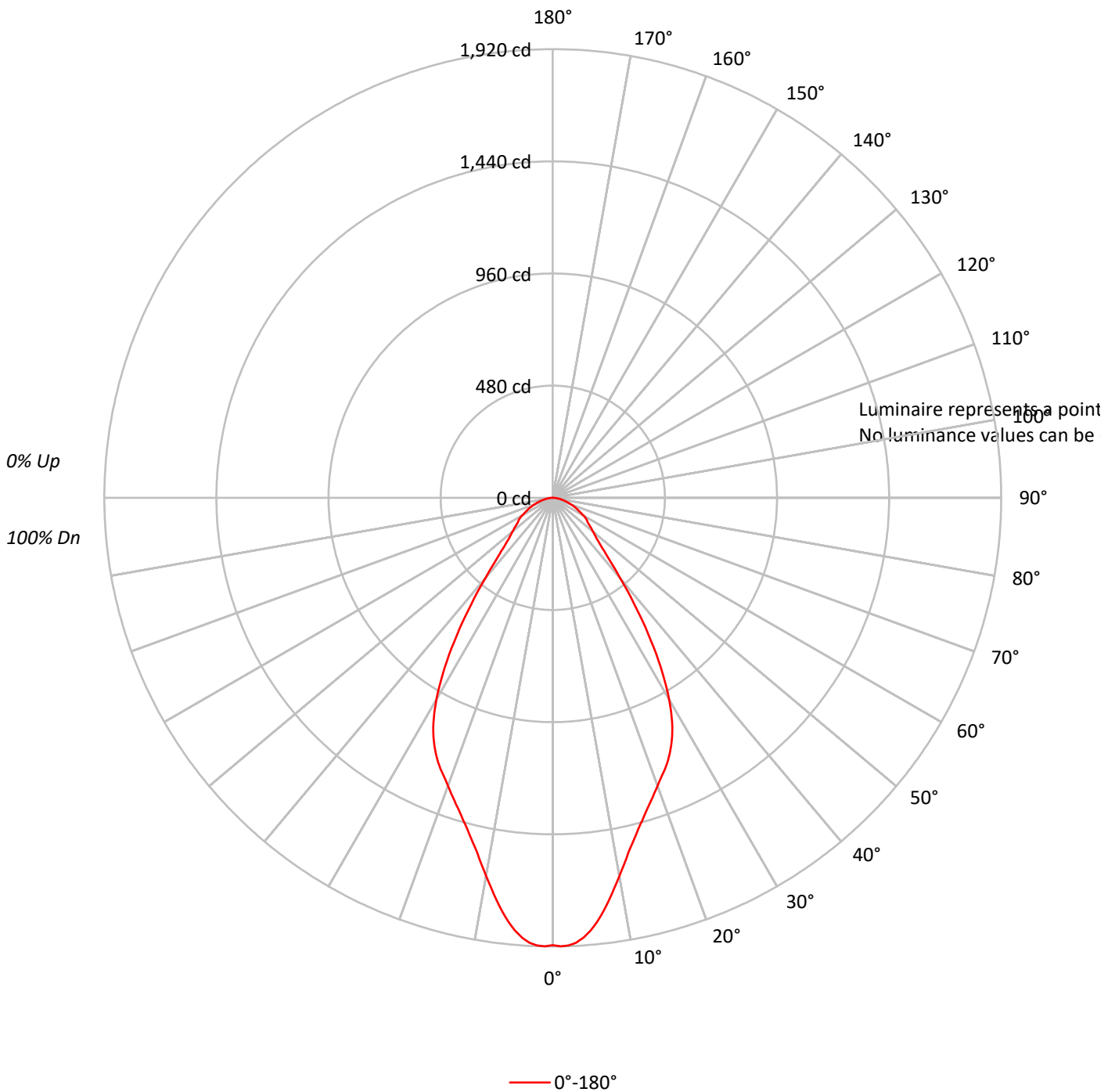
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	7.9
10°-20°	408.3	18.9
20°-30°	541.1	25.1
30°-40°	443.7	20.6
40°-50°	236.3	11.0
50°-60°	166.4	7.7
60°-70°	114.7	5.3
70°-80°	59.7	2.8
80°-90°	17.7	0.8
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
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0°-30°	1119.5	51.9
0°-40°	1563.2	72.4
0°-60°	1965.9	91.1
0°-90°	2158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2158.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1914	
5°	1859	170
15°	1448	408
25°	1192	541
35°	714	444
45°	292	236
55°	183	166
65°	115	115
75°	57	60
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1914.3
1°	1919.8
2°	1917.4
3°	1906.1
4°	1886.6
5°	1858.7
6°	1823.8
7°	1781.8
8°	1736.8
9°	1688.9
10°	1642.6
11°	1598.4
12°	1553.4
13°	1515.9
14°	1480.3
15°	1447.8
16°	1417.2
17°	1389.0
18°	1362.9
19°	1336.8
20°	1311.7
21°	1287.3
22°	1266.1
23°	1244.3
24°	1218.8
25°	1191.8
26°	1161.3
27°	1126.9
28°	1088.1
29°	1045.1
30°	995.7
31°	944.0
32°	889.6
33°	831.7
34°	773.4
35°	713.7
37.5°	571.8
40°	448.2
42.5°	354.0
45°	291.6
47.5°	250.5
50°	224.8
52.5°	202.4
55°	182.9
57.5°	171.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	151.1
62.5°	131.7
65°	114.9
67.5°	99.9
70°	83.7
72.5°	69.8
75°	56.9
77.5°	41.2
80°	33.6
82.5°	24.3
85°	16.3
87.5°	7.6
90°	0.0

(END OF REPORT)