

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: P250113

Luminaire Tested: **LSR8B80D010 EC8B809730 8LBN0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13946)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B809730 8LBN0WH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5728.9 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.66
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

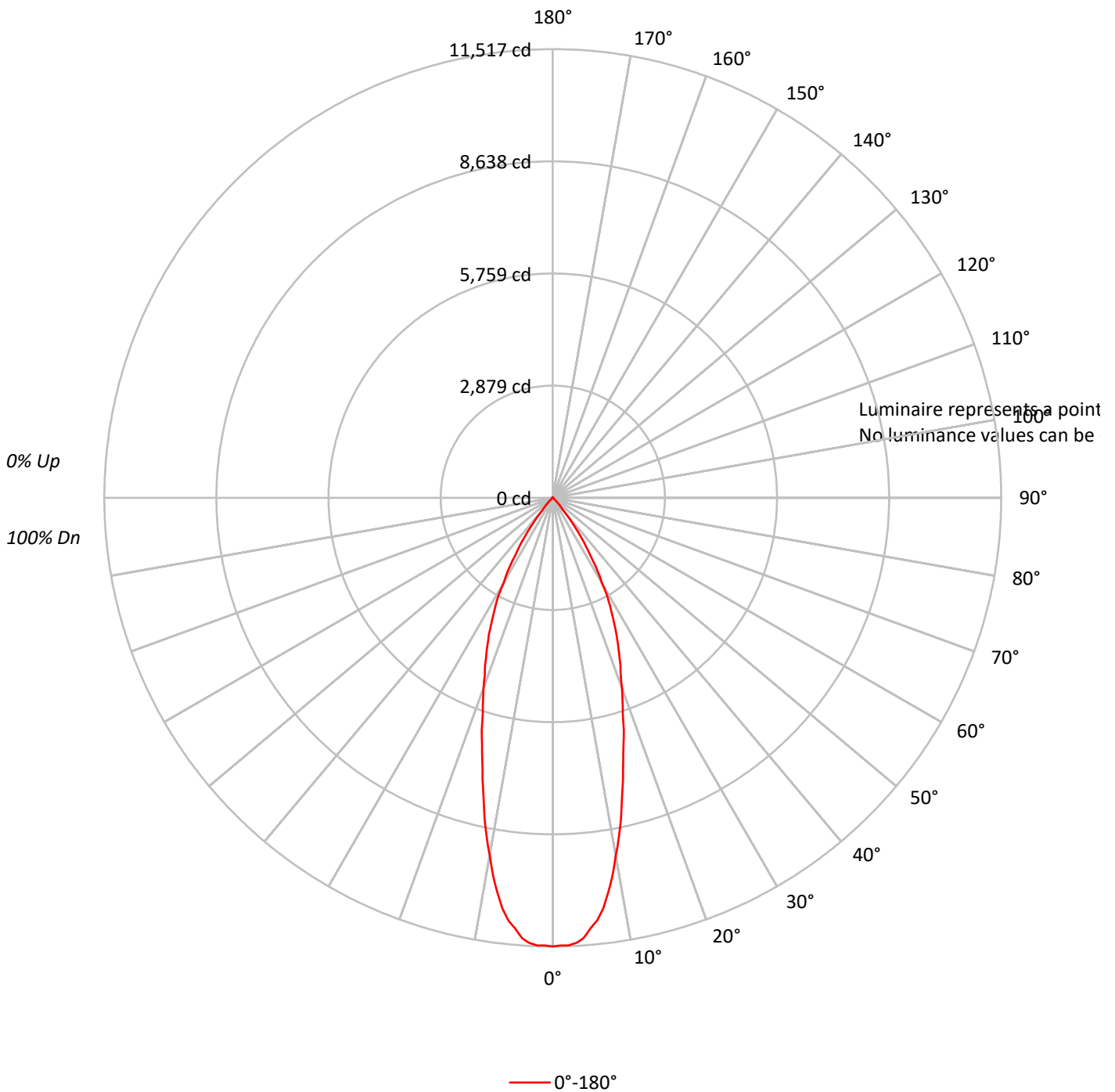
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.8	17.6
10°-20°	1949.0	34.0
20°-30°	1754.8	30.6
30°-40°	868.2	15.2
40°-50°	132.1	2.3
50°-60°	5.4	0.1
60°-70°	7.0	0.1
70°-80°	2.6	0.0
80°-90°	4.1	0.1
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°	4709.6	82.2
0°-40°	5577.8	97.4
0°-60°	5715.2	99.8
0°-90°	5728.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5728.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11517	
5°	11095	###
15°	6983	1949
25°	3880	1755
35°	1405	868
45°	146	132
55°	2	5
65°	4	7
75°	4	3
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11516.7
1°	11492.7
2°	11498.6
3°	11440.7
4°	11334.8
5°	11094.9
6°	10911.0
7°	10619.1
8°	10227.3
9°	9819.4
10°	9327.6
11°	8887.9
12°	8416.1
13°	7894.3
14°	7444.6
15°	6982.7
16°	6588.9
17°	6241.1
18°	5813.3
19°	5499.4
20°	5191.6
21°	4871.7
22°	4637.8
23°	4366.0
24°	4116.1
25°	3880.2
26°	3602.3
27°	3352.5
28°	3128.5
29°	2882.6
30°	2528.8
31°	2328.9
32°	2077.0
33°	1801.1
34°	1591.2
35°	1405.3
37.5°	889.5
40°	401.8
42.5°	273.9
45°	145.9
47.5°	81.9
50°	2.0
52.5°	8.0
55°	2.0
57.5°	12.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	2.0
62.5°	10.0
65°	4.0
67.5°	10.0
70°	6.0
72.5°	2.0
75°	4.0
77.5°	0.0
80°	2.0
82.5°	8.0
85°	6.0
87.5°	0.0
90°	0.0

(END OF REPORT)