

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: P250785

Luminaire Tested: **LSR8B80D010 EC8B809730 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13935)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B809730 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6153.0 lumens
Efficiency: N/A
Efficacy: 82.7 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

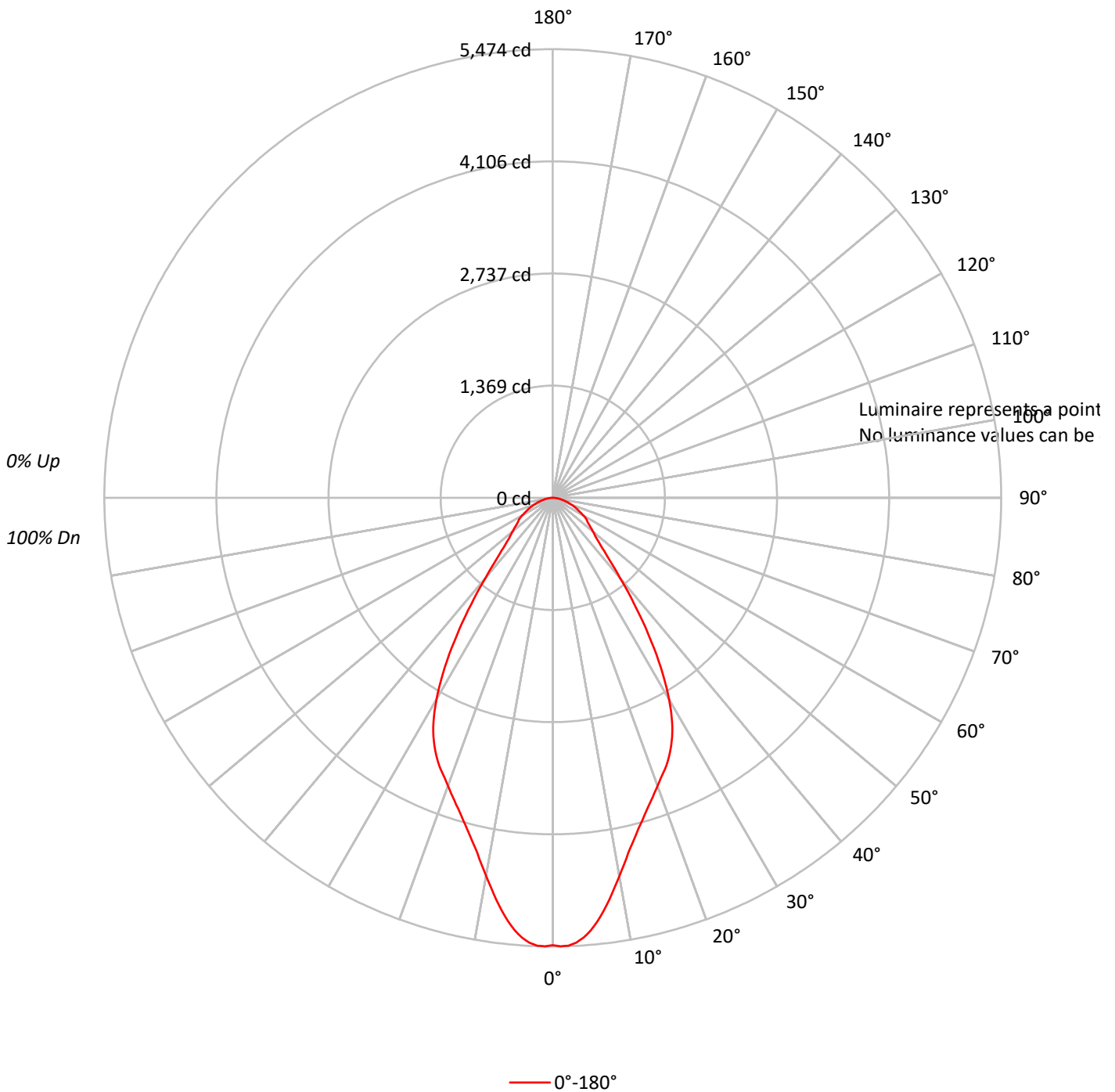
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	485.1	7.9
10°-20°	1164.2	18.9
20°-30°	1542.8	25.1
30°-40°	1265.1	20.6
40°-50°	673.8	11.0
50°-60°	474.3	7.7
60°-70°	327.0	5.3
70°-80°	170.3	2.8
80°-90°	50.3	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
0°-30°	3192.1	51.9
0°-40°	4457.2	72.4
0°-60°	5605.3	91.1
0°-90°	6153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6153.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5458	
5°	5300	485
15°	4128	1164
25°	3398	1543
35°	2035	1265
45°	831	674
55°	522	474
65°	328	327
75°	162	170
85°	46	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5458.0
1°	5474.1
2°	5466.9
3°	5434.9
4°	5379.7
5°	5299.6
6°	5199.9
7°	5080.6
8°	4952.4
9°	4815.4
10°	4683.7
11°	4557.2
12°	4429.1
13°	4322.3
14°	4220.8
15°	4128.2
16°	4041.0
17°	3960.9
18°	3886.1
19°	3811.4
20°	3740.1
21°	3670.7
22°	3610.2
23°	3547.9
24°	3474.9
25°	3398.3
26°	3311.1
27°	3213.2
28°	3102.8
29°	2980.0
30°	2839.4
31°	2691.6
32°	2536.8
33°	2371.2
34°	2205.6
35°	2034.7
37.5°	1630.6
40°	1278.2
42.5°	1009.4
45°	831.3
47.5°	713.9
50°	640.9
52.5°	576.8
55°	521.6
57.5°	487.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	430.8
62.5°	375.6
65°	327.6
67.5°	284.8
70°	238.5
72.5°	199.4
75°	162.0
77.5°	117.5
80°	96.1
82.5°	69.4
85°	46.3
87.5°	21.3
90°	0.0

(END OF REPORT)