

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: P250029

Luminaire Tested: **LSR8B80D010 EC8B809730 8LBNOWMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B809730 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5432.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

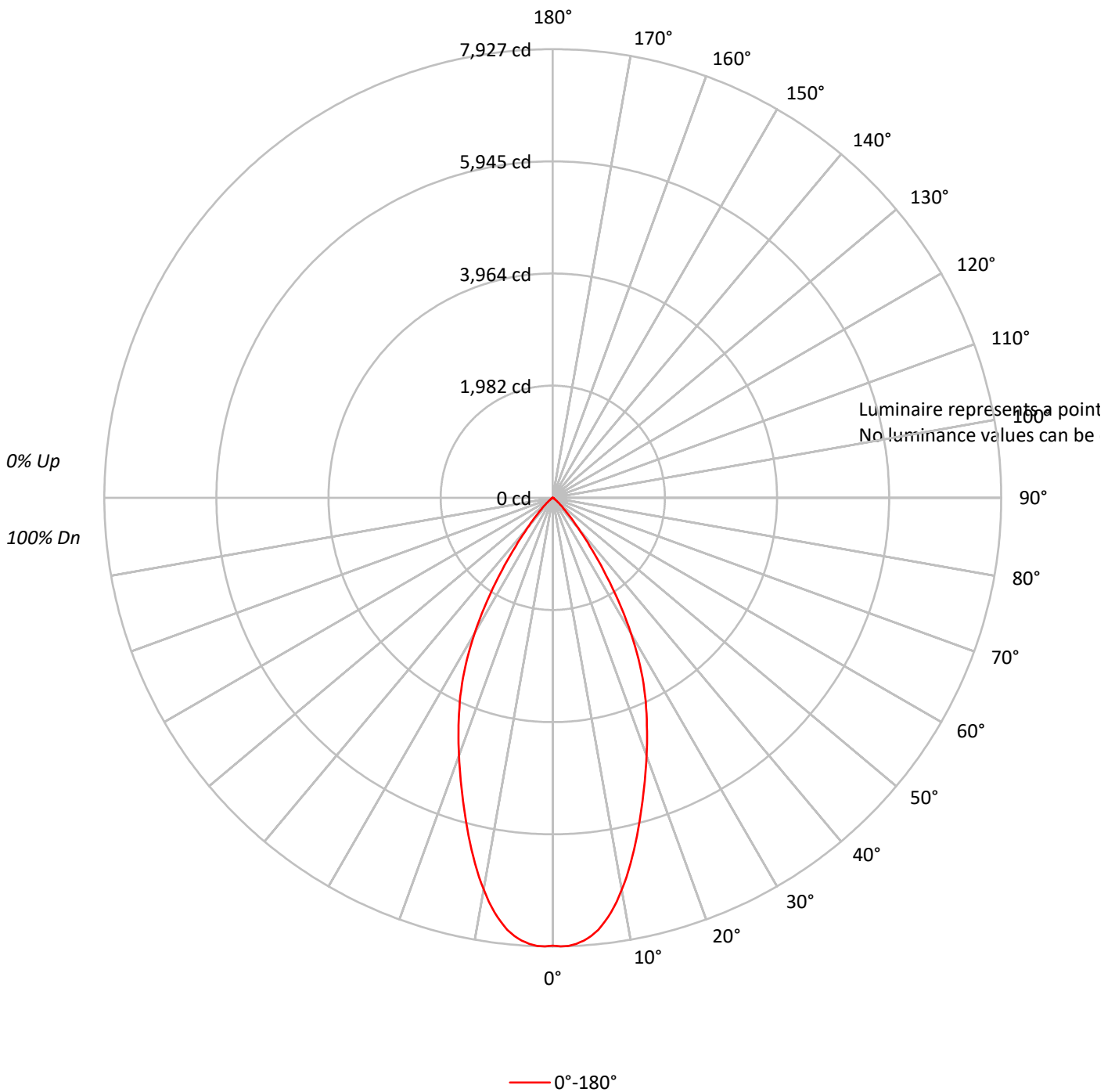
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70		77	73	70		76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66		73	69	66		72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62		70	65	62		69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56		63	59	55		62	58	55	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.1	13.2
10°-20°	1647.6	30.3
20°-30°	1750.4	32.2
30°-40°	998.7	18.4
40°-50°	247.6	4.6
50°-60°	48.7	0.9
60°-70°	14.7	0.3
70°-80°	3.5	0.1
80°-90°	2.8	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°	4116.0	75.8
0°-40°	5114.7	94.2
0°-60°	5411.0	99.6
0°-90°	5432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5432.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7912	
5°	7772	718
15°	5919	1648
25°	3864	1750
35°	1562	999
45°	280	248
55°	45	49
65°	11	15
75°	0	3
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7911.8
1°	7927.0
2°	7921.3
3°	7893.0
4°	7843.8
5°	7771.9
6°	7677.5
7°	7547.0
8°	7397.6
9°	7221.9
10°	7029.0
11°	6824.8
12°	6605.5
13°	6382.4
14°	6153.7
15°	5919.2
16°	5698.0
17°	5475.0
18°	5265.1
19°	5051.5
20°	4849.2
22.5°	4348.2
25°	3864.2
27.5°	3344.4
30°	2769.6
32.5°	2153.3
35°	1561.6
37.5°	1075.7
40°	695.8
42.5°	440.5
45°	279.8
47.5°	183.4
50°	115.3
52.5°	70.0
55°	45.3
57.5°	35.9
60°	22.7
62.5°	20.8
65°	11.4
67.5°	11.4
70°	9.5
72.5°	5.7
75°	0.0
77.5°	1.9
80°	1.9



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	3.8
85°	3.8
87.5°	1.9
90°	0.0

(END OF REPORT)